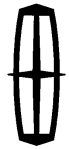

TOWN CAR

Your satisfaction is our #1 goal. If you have questions or concerns with your vehicle, we suggest you follow these steps:

1. Contact your Sales Representative or Service Advisor at your selling/servicing dealership.
2. If the inquiry or concern remains unresolved, contact the Sales Manager or Service Manager at the dealership.
3. If the inquiry or concern cannot be resolved at the dealership level, please contact the Lincoln Customer Assistance Center.

In the United States:

Ford Motor Company
Lincoln Customer Assistance Center
300 Renaissance Center
P.O. Box 43360
Detroit, MI 48243
1-800-521-4140
TDD for the hearing impaired: 1-800-232-5952

In Canada:

Ford Motor Company of Canada, Limited
The Lincoln Centre
P.O. Box 1580, Station B
Mississauga, Ontario L4Y 4G3
1-800-387-9333

Outside the U.S. or Canada:

Ford Motor Company Worldwide Export Operations
1555 Fairlane Drive
Fairlane Business Park #3
Allen Park, Michigan 48101
Telephone (313) 594-4857
Fax (313) 390-0804

DEP
DEALER E-PROCESS

Table of Contents

DEP
DEALER E-PROCESS

DEP
DEALER E-PROCESS

DEP
DEALER E-PROCESS

Introduction

Ford's Commitment to You

At Ford Motor Company, excellence is the continuous commitment to achieve the best result possible. It is dedication to learning what you want, determination to develop the right concept, and execution of that concept with care, precision, and attention to detail. In short, excellence means being the standard by which others are judged.

Our Guiding Principles

- **Quality comes first.** For your satisfaction, the quality of our products and services must be our number one priority.
- **You are the focus of everything we do.** Our work must be done with you in mind, providing better products and services than our competition.
- **Continuous improvement is essential to our success.** We must strive for excellence in everything we do: in our products — in their safety and value — and in our services, our human relations, our competitiveness, and our profitability.
- **Employee involvement is our way of life.** We are a team. We must treat one another with trust and respect.
- **Dealers and suppliers are our partners.** We must maintain mutually beneficial relationships with dealers, suppliers, and our other business associates.
- **Integrity is never compromised.** Our conduct worldwide must be pursued in a manner that is socially responsible and commands respect for its integrity and for its positive contributions to society.

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DEALER E-PROCESS

Things to Know About Using This Guide

Congratulations on the purchase of your new vehicle. This guide has information about the equipment and the options for your new vehicle. You may not have bought all of the options available to you. If you do not know which information applies to your vehicle, talk to your dealer.

This guide describes equipment and gives specifications for equipment that was in effect when this guide was approved for printing. Ford may discontinue models or change specifications or design without any notice and without incurring obligation.

NOTES and WARNINGS

NOTES give you additional information about the subject matter you are referencing.

WARNINGS remind you to be especially careful in those areas where carelessness can cause damage to your vehicle or personal injury to yourself, your passengers or other people. Please read all WARNINGS carefully.

WARNING

Finding Information in This Guide

After you have read this guide once, you will probably return to it when you have a specific question or need additional information. To help you find specific information quickly, you can use the Quick Index or the Index.

The Quick Index at the end of the book provides a page number following each item which indicates where detailed information can be found.

DEP DEALER E-PROCESS

To use the Index, turn to the back of the book and search in the alphabetical listing for the word that best describes the information you need. If the word you chose is not listed, think of other related words and look them up. We have designed the Index so that you can find information under a technical term.

Canadian Owners — French Version

French Owner Guides can be obtained from your dealer or by writing to Ford Motor Company of Canada, Limited, Service Publications, P.O. Box 1580, Station B, Mississauga, Ontario L4Y 4G3.

The Lincoln Commitment

The Lincoln Commitment is more than the prestige of owning a superior luxury automobile, it is a comprehensive owner benefits package that is designed to provide you with services to support your every driving need. Refer to the Lincoln Commitment brochure for more information.

Your Maintenance Schedule and Record Booklet

The *Maintenance Schedule* booklet lists the services that are most important for keeping your vehicle in good condition. A record log is also provided to help you keep track of all services performed.

About the Warranties

Your vehicle is covered by three types of warranties: Basic Vehicle Warranty, Extended Warranties on certain parts, and Emissions Warranties.

Read your *Warranty Information Booklet* carefully to find out about your vehicle's warranties and your basic rights and responsibilities.

If you lose your *Warranty Information Booklet*, you can get a new one free of charge. Contact any Ford or Lincoln-Mercury dealer, or refer to the addresses and phone numbers on the first page of this Owner's Guide.

DEP
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Ford Extended Service Plan

More Protection for Your Vehicle

You can get more protection for your new car or light truck by purchasing a Ford Extended Service Plan (Ford ESP). Ford ESP is the only extended service program with the Ford name on it and the only service contract backed by Ford Motor Company.

Ford ESP is an optional service contract, backed and administered by Ford. It provides:

- ❑ protection against repair costs after your Bumper to Bumper Warranty expires;

  and

- ❑ other benefits during the warranty period (such as: reimbursement for rentals; coverage for certain maintenance and wear items).

You may purchase Ford ESP from any participating Ford Motor Company dealer. There are several Ford ESP plans available in various time-and-mileage combinations. Each plan can be tailored to fit your own driving needs, including reimbursement benefits for towing and rental. (In Hawaii, rules vary. See your dealer for details.)

When you buy Ford ESP, you receive peace-of-mind protection throughout the United States and Canada, provided by a network of more than 5,100 participating Ford Motor Company dealers.

NOTE: Repairs performed outside the United States and Canada are not eligible for ESP coverage.

This information is subject to change. Ask your dealer for complete details about Ford ESP coverage.

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Breaking Your Vehicle In

Your new vehicle goes through an adjustment or break-in period during the first 1,000 miles (1,600 km) that you drive it. During the break-in period, you need to pay careful attention to how you drive your vehicle.

- **Avoid sudden stops.** Because your vehicle has new brake linings, you should take these steps:
  - — Watch traffic carefully so that you can anticipate when to stop.
  - — Begin braking well in advance.
  - — Apply the brakes gradually.

  The break-in period for new brake linings lasts for 100 miles (160 km) of city driving or 1,000 miles (1,600 km) of highway driving.

- **Use only the type of engine oil that Ford recommends.** See *Engine oil recommendations* in the Index. Do not use special “break-in” oils.

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Instrumentation

The instrument panel (dashboard) on your vehicle is divided into several different sections. The illustrations on the following pages show the major parts of the instrument panel that are described in this chapter. Some items shown may not be on all vehicles.

The main controls for the climate control system, clock, and radio are on the instrument panel.

If you have radio transmitting equipment in your vehicle, be aware that it can interfere with your vehicle's electrical system and may cause the instrumentation and/or convenience products to have temporary, abnormal operation.

NOTE: Any cleaner or polish that increases the gloss (shine) of the upper part of the instrument panel should be avoided. The dull finish in this area is to help protect the driver from undesirable windshield reflection

In your vehicle, the warning lights and gauges are grouped together on the instrument panel. We call this grouping a cluster. Your vehicle has an electronic cluster.

DEP
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The Electronic Cluster

The electronic cluster works only when your ignition is in the ON position. Each time you start your vehicle, the displays go through a self-test by flashing on and off once before the actual readings are displayed. (Neither the turn signals nor the high beam indicator light will flash like the other indicators do for the self-test.) Some of the warning lights will flash on and remain on (will not immediately flash off) until the normal cluster display is lit. This self-test is used to indicate that all of the warning/indicator lights are working properly.

Your electronic cluster tells you about the condition of your vehicle by using two types of equipment:

- ❑ warning lights and gauges
- ❑ message center

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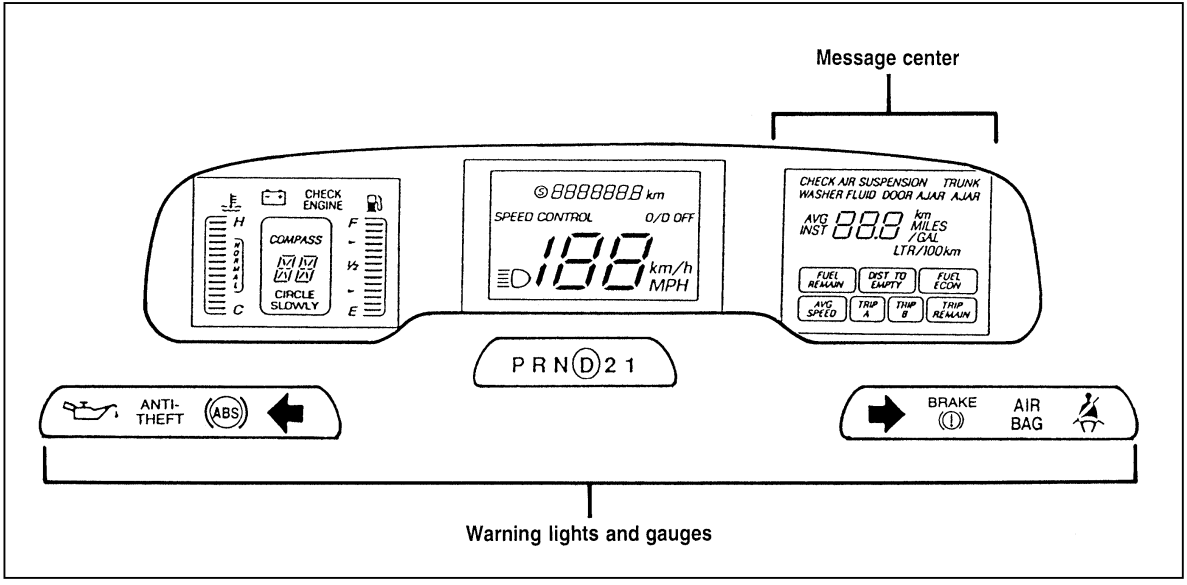

DEP
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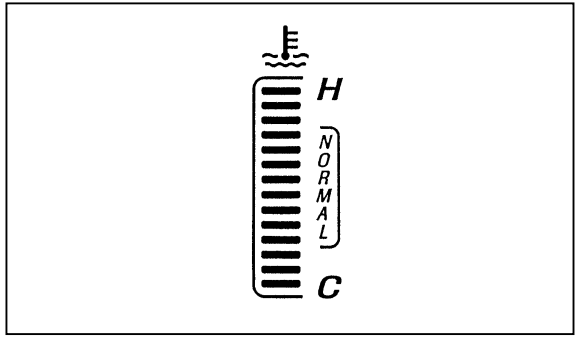
Engine Coolant Temperature Gauge



This gauge indicates the engine coolant temperature not the coolant level. If the coolant is not at its proper level or mixture, the gauge indication will not be accurate. It is identified by a thermometer symbol, an “H” (hot), and a “C” (cold). The “NORMAL” indicates the normal operating range. The bars will move into the normal operating range as the engine coolant warms up. It is acceptable under certain driving conditions such as, heavy stop and go traffic, or driving up hills in hot weather, for the gauge to indicate at the top of the NORMAL band.

If, under any circumstance, the pointer moves above the NORMAL band, the temperature symbol flashes and a tone will sound to alert the driver that the engine coolant is overheating and continued operation may cause engine damage.

If your engine overheats:

1. Pull off the road as soon as it is safely possible.
2. Turn off the engine. If you do not stop the engine as soon as safely possible, severe engine damage could result.
3. Let the engine cool. DO NOT REMOVE COOLANT SYSTEM FILL CAP UNTIL THE ENGINE IS COOL.

DEP
DEALER E-PROCESS

4. Check the coolant level following the instructions on checking and adding coolant to your engine, see *Engine Coolant* in the Index. If you do not follow these instructions, you or others could be injured.

If the coolant continues to overheat, have the coolant system serviced.

If only the top two and bottom two bars appear on the gauge, then the system is indicating that it requires servicing. Contact your dealer for service as soon as possible.

Anti-Lock Brake System Light

This warning light will go on each time you start your vehicle. If it remains on for longer than 5 seconds, you should shut off your engine and restart. If the anti-lock brake light stays on, this indicates that the anti-lock feature is disabled and should receive immediate attention by a qualified service technician. Normal braking is not affected unless the brake warning light is also lit.

The Anti-Lock Brake System has self-check capabilities. As previously described, the system turns on the anti-lock light each time you start your engine. After the engine is started and the anti-lock light is out, the system performs another test the first time the vehicle reaches 14 mph (22 km/h). The system turns on the Anti-Lock Brake System (ABS) pump motor for approximately 1/2 second. At this time a mechanical noise may be heard. This is a normal part of the self-check feature. If a malfunction is found during this check the anti-lock light will come on.

DEP
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WARNING

If the anti-lock brake system warning light remains on or comes on while driving, have the braking system checked by a qualified service technician as soon as possible.

Brake System Light

The warning light for the brakes can show two things — that the parking brake is not fully released, or that the brake fluid level is low in the master cylinder reservoir. If the fluid level is low, the brake system should be checked by a qualified service technician.

This light comes on briefly when you turn the ignition key to ON, but it normally goes off shortly after the engine starts and you release the parking brake. If the light stays on or comes on after you have released the parking brake fully, have the hydraulic brake system serviced.

DEP
DEALER E-PROCESS

WARNING

The BRAKE light indicates that the brakes may not be working properly. Have the brakes checked immediately.

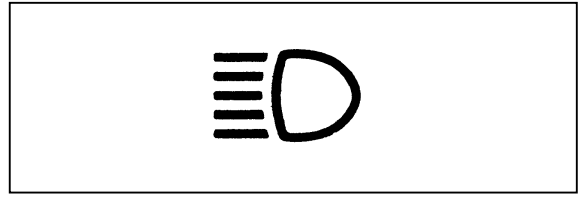
Safety Belt Warning Light and Chime

This warning light and chime remind you to fasten your safety belt. The following conditions will take place:

- ❑ If the driver's safety belt is not buckled when the ignition is turned to the ON position, the light will turn on for 1 to 2 minutes and the chime will sound for 4 to 8 seconds.
- ❑ If the driver's safety belt is buckled while the light is on or the chime is sounding, both the light and the chime will turn off.
- ❑ If the driver's safety belt is buckled before the ignition is turned to the ON position, neither the light nor the chime will turn on.

High Beam Light

This light illuminates when the headlamps are turned to high beam or when you flash the lights.



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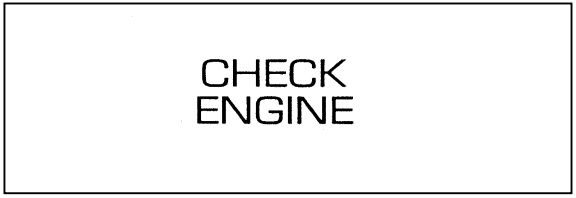
Check Engine Warning Light

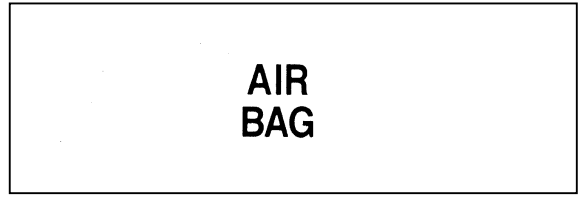
This light illuminates when the engine's Emission Control System requires service. It will also illuminate when the ignition key is in the ON position and the engine is off.



Air Bag Readiness Light

The air bag system uses a readiness light and a tone to indicate the condition of the system. The readiness light is in the instrument panel. When you turn the ignition key to the ON position, this light will light up for six (6) seconds and then turn off. This indicates that the system is operating normally. NOTE: Regularly scheduled maintenance of the air bag system is not required.

If the light fails to illuminate, continues to flash, remains on, or you hear a beeping sound, have the system serviced at your Ford or Lincoln-Mercury dealer immediately.



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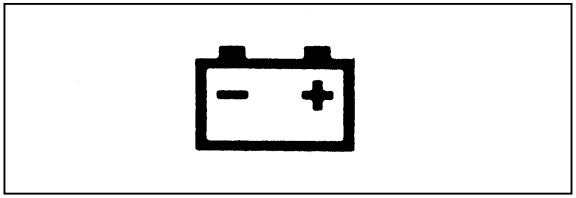
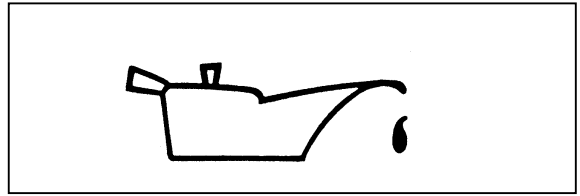
Charging System Warning Light

This light comes on when you turn your ignition key from OFF to ON (engine off). The light should go out when the engine starts and the alternator begins to charge.

If this light stays on or comes on while your engine is running, this tells you that your battery is not being charged and that you need to have the electrical system checked as soon as possible.



Engine Oil Pressure Light



This light indicates the lack of engine oil pressure, not the oil level. However, if your engine's oil level is low, it could affect the oil pressure. The light should come on every time your ignition key is turned to ON or START, and should go out when the engine starts. If the light stays on or turns on while the engine is running, you have lost oil pressure and continued operation will cause severe engine damage.

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If you lose engine oil pressure:

1. Pull off the road as soon as safely possible.
2. Shut off the engine immediately. If you do not stop the engine as soon as safely possible, severe engine damage could result.
3. Check the engine's oil level, following the instructions on checking and adding engine oil, see *Engine Oil* in the Index. If you do not follow these instructions, you or others could be injured. To assure an accurate reading, your car should be on level ground.
4. If the level is low, add only as much oil as necessary before you start the engine again. Do not overfill. Do not operate the engine if the light is on, regardless of the oil level. Contact your nearest dealer for further service actions.

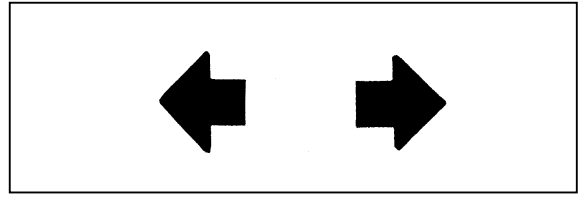
For more information about adding oil, see *Adding engine oil* in the *Maintenance and Care* chapter of this guide.

Turn Signal Indicator Lights

When you push the turn signal lever up before making a right turn, the right side arrow on the instrument panel flashes.

When you push the turn signal lever down before making a left turn, the left side arrow on the instrument panel flashes.

Usually, the turn signals turn off automatically after you turn your vehicle. If the turn signal continues to flash after you have made the turn, push the lever back to the OFF position.



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If one or both of your turn indicators do not flash or stay on continuously, have them serviced as soon as possible. In the meantime, be sure to use the accepted hand signals.

Speed Control Indicator Light

This light comes on when the speed control system is actively maintaining the set speed. It will go off when the brakes are used or if the speed control is turned off.

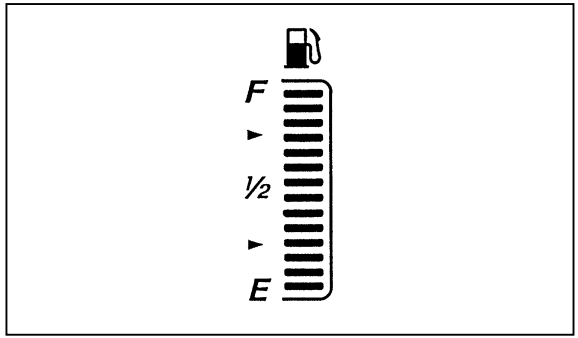
This light does not indicate any problems but is only a convenience to tell when the speed control is active.

Fuel Gauge

The ignition switch must be in the OFF position before adding fuel to the tank for proper gauge operation.

A problem is indicated if the fuel gauge bar graph displays only the top two bars and the bottom two bars and the digital “FUEL REMAIN” or “DIST TO EMPTY” display “CO” or “CS”. If this happens, contact your dealer for service as soon as possible.

DEP
DEALER E-PROCESS



The fuel gauge symbols indicate the remaining fuel: “F” means full, “1/2” means half-full and “E” means empty.

Low fuel alert

When the fuel level drops to approximately 1/8 of a tank, a flashing fuel pump symbol is displayed.

If you want to calculate fuel economy, use the message center buttons instead of the fuel gauge bar graph indicator. It is likely to give you a much more accurate figure.

NOTE: At least 2.5 gallons (9.5 liters) of fuel must be added for the fuel gauge to immediately show the next level of fuel. If less than 2.5 gallons (9.5 liters) of fuel is added, the gauge will reach the new level slowly.

DEP
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Compass Display (If Equipped)

The Compass can display direction indicated by N, S, E, W, NE, NW, SE and SW. The sensor for the compass display is located on the back side of the rear view mirror. The Compass can be set to one of 15 geographic zones.

To set the ZONE, first locate the compass module on the center rear view mirror post. Press and hold the reset button located on top of the compass module until the display in the message center changes to show the current zone setting (1-15). Release the reset button and press it agian repeatedly until the current zone is displayed (see zone map). After 10 seconds the display will return to normal. Your zone will then be updated.

The Compass is continually self-calibrating and should not require calibration, however a manual-calibrating mode can be initiated.

NOTE: Compass calibration requires that the vehicle be driven 2-3 mph (3-5 km/h) in at least two 360 degree circles. A safe location free of vehicle and pedestrian traffic will be required. To manually calibrate the compass, locate the reset button on the top side of the compass module. Press and hold the reset button until the Compass display indicates “CIRCLE SLOWLY”. Once the button has been released, slowly drive the vehicle in circles until the “CIRCLE SLOWLY” indicator disappears. This may require several complete circles.

DEP
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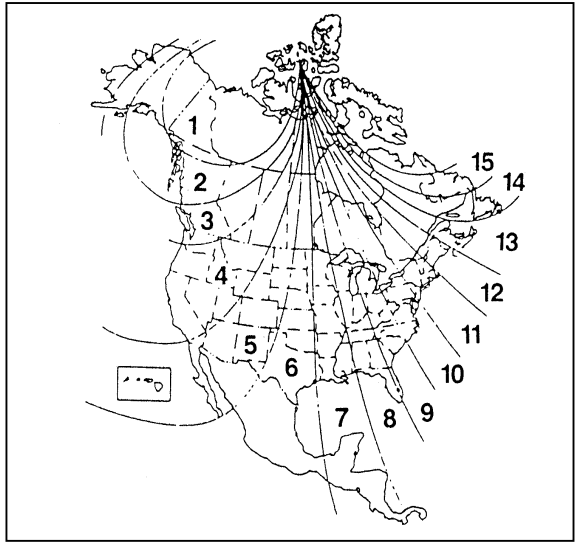

Zone map

Factors Affecting Compass Accuracy

The compass reading can be affected when you drive near a number of things — such as large buildings, bridges, power lines, and powerful antennas.

Your compass can also be affected by magnetic or metallic objects placed in or on the compass sensor (the sensor is loacated on the inside rearview mirror bracket). If the compass is giving inaccurate readings, perform the calibration procedure.

Speedometer

The speedometer tells you how many miles (kilometers) per hour your vehicle is moving. It indicates the speed up to 120 mph or up to 199 km/h.

You can press the E/M (English/Metric) button located just below the message center display to show the speed you are going in either miles per hour or kilometers per hour.

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Odometer

The odometer tells you the total number of miles or kilometers your vehicle has been driven. If the cluster is replaced, and the accumulated mileage on the odometer is unknown, the replacement cluster will have the circled “S” illuminated with zero miles on the odometer. If the actual vehicle mileage can be verified, then an authorized service center can program the actual mileage into the odometer of the replacement cluster. The actual mileage (if known) or an estimated mileage (if unknown) is shown on a label affixed on the door pillar.

Press the E/M (English/Metric) button located just below the message center display to show miles or kilometers.

If the odometer displays the word “ERROR” contact your dealer for service.

The Electronic Message Center

Along with information the warning lights and gauges provide, the electronic message center lets you:

- ❑ see problems such as Door Ajar, Air Suspension, Trunk Ajar, Washer Fluid
- ❑ see how many miles/kilometers you can drive with the fuel remaining in your tank
- ❑ see how many gallons/liters of fuel are remaining
- ❑ monitor your average fuel economy
- ❑ monitor your instantaneous fuel economy
- ❑ monitor your average speed
- ❑ check the distance you have travelled during a trip on either Trip A or Trip B
- ❑ check the distance remaining from a set value during a trip

DEP
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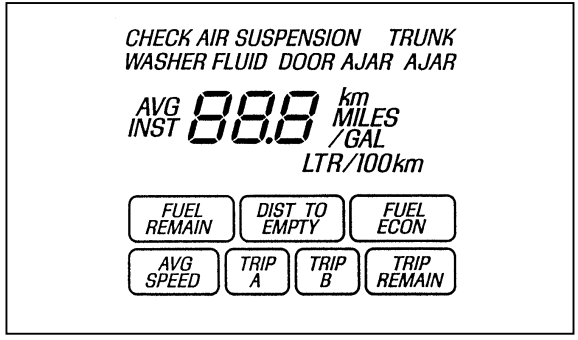
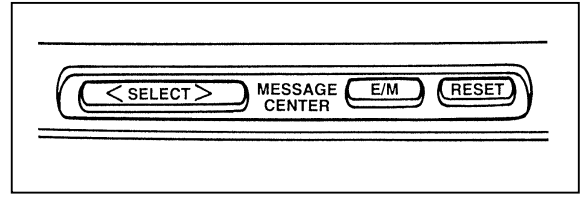


All of the message center functions are controlled by the three switches located just below the radio controls in the center of the instrument panel.

- E/M — Changes the electronic instrument cluster and the electronic temperature control display to read in either English or Metric units.
- Reset — Sets the selected function to zero (if resettable).
- Select — Selects the function. This is a dual action switch, the right side advances function to the right, the left side advances function to the left.



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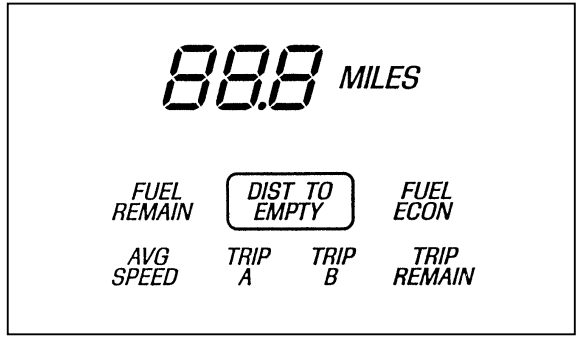
How to use the message center

To reset any function:

1. Push either the right or left side of the SELECT button to choose the function you would like to set.
2. Push the RESET button and the selected message center function will be reset to zero. (The only functions which can be reset to zero are: AVG ECON, TRIP A or TRIP B, and AVG SPEED.)

What the message center functions can show you

DIST TO EMPTY — Distance to Empty (DTE)



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This function estimates how many miles or kilometers you can drive with the fuel remaining in your tank under standard driving conditions.

Remember to turn off the ignition when filling up with fuel. Otherwise, the display will not show the addition of fuel for a few miles.

When you have approximately 50 miles (80 km) left before you run out of fuel, the DTE function will flash for five (5) seconds and sound a tone for one (1) second. The message center will remain in the DTE function until you push the select button to change it. This low fuel warning also happens at 25 miles (40 km), and 10 miles (16 km).

Displayed DTE will not be equal to AVG ECON multiplied by the FUEL REMAIN value. This is because DTE is calculated using a method that takes into consideration the fuel economy of the last 500 miles (800 Km) driven.

NOTE: When refueling, at least 2.5 gallons (9.5 litres) of fuel must be added for fuel gauge to immediately show the next level of fuel.

DEP
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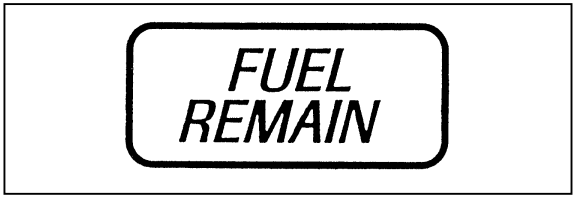
If “CO” or “CS” is displayed, this means that there is a problem with the fuel indication system and you should contact your dealer for service as soon as possible.

FUEL REMAIN — Fuel Remaining



This function shows you how many gallons (liters) of fuel you have left in the fuel tank.

If your fuel level is above 20 gallons (75.7 liters), the letter “F” (full) will appear on the display. But if your fuel level has dropped to below 1 gallon (4 liters), the letter “E” (empty) will appear in the display.

Because of factors like rounding of numbers and fuel movement in the tank, your fuel gauge and the service station fuel pump readings may disagree slightly.

A problem is indicated if the fuel gauge bar graph displays only the top two and bottom two bars and the message center display for Distance To Empty or Fuel Remaining functions display the letters “CO” or “CS”. If this happens, contact your dealer for service as soon as possible.

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FUEL ECON — Fuel Economy Functions

The FUEL ECON selection indicates two functions, Average Fuel Economy and Instantaneous Fuel Economy.

Average Economy is entered by pressing the SELECT> button from the DISTANCE TO EMPTY display. This function is indicated by the AVG indicator being illuminated to the left of the Message Center digital display.

Instantaneous Fuel Economy is displayed by pressing the SELECT> button again from the Average Economy display and is indicated by INST being illuminated replacing AVG.

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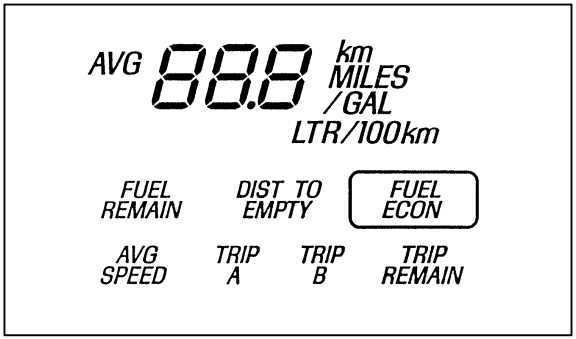
AVG ECON — Average Fuel Economy

Select this function to display your average fuel economy in miles per gallon or liters per 100 kilometers. Your message center computes this figure using the distance traveled and fuel used information. If you want to reset this function, press the RESET button while the average fuel economy feature is displayed.



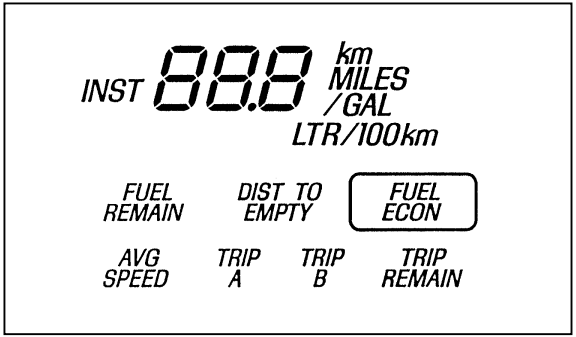
If you calculate your average fuel economy by dividing miles traveled by gallons used, your figure may be different than displayed because of:

- ❑ Your vehicle not being perfectly level during fill-up
- ❑ Differences in the automatic shut-off points on the fuel pumps at service stations
- ❑ Variations in top-off procedure from one fill-up to another
- ❑ Rounding of the displayed values to the nearest 0.1 gallon (liters) on the fuel gauge.

DEP
DEALER E-PROCESS

INST ECON — Instantaneous Fuel Economy

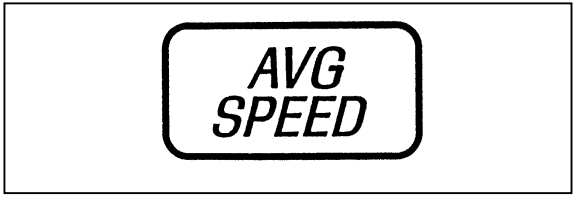
Select this function to calculate your instantaneous fuel economy. Your instantaneous fuel economy is the fuel economy you get at any particular moment. For example, you can see what your fuel economy is in heavy traffic or on an open highway.



Your vehicle must be moving to calculate fuel economy. When your vehicle is not moving, instantaneous fuel economy is displayed at 0 miles per gallon or 99 liters per 100 kilometers. When you are moving, the display may read anything between 0 and 99 miles/gallon (1 to 99 L/km). Instantaneous fuel economy cannot be reset.

DEP
DEALER E-PROCESS

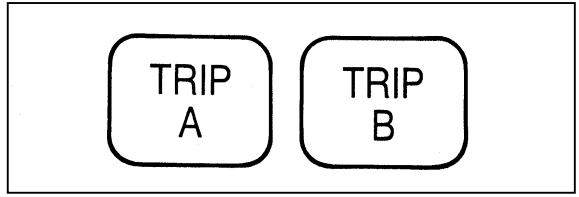
AVG SPEED — Average Speed Function



To use the Average Speed function, select AVG SPEED and press the RESET button. Your average speed from that point until you RESET again will be displayed.

TRIP A and TRIP B — Elapsed Distance Traveled

These two functions of the message center allow you to see how far you have traveled since you last reset. Trip A and Trip B are completely independent and must be reset individually.



To reset either trip feature to zero, press the RESET switch while a trip distance feature (Trip A or Trip B) is displayed.

TRIP REMAIN — Trip Remaining Odometer

This function allows you to set a destination distance up to 999 miles or kilometers. This feature will indicate when the preset distance has been reached by sounding a tone for one (1) second and flashing “0.0” TRIP REMAIN for ten (10) seconds before returning to the original display.

DEP
DEALER E-PROCESS

The Trip Remaining distance is set by first selecting the TRIP REMAIN indicator then pressing the RESET button at which point the HUNDREDS (100's) digit will be flashing. To set the 100's digit, press the <SELECT button until the desired value is reached then press SELECT> to go to the TENS (10's) digit. Repeat the same procedure for the ONES. Press the RESET button to set the value you selected and return to the regular display.

Check Air Suspension Light

This light glows momentarily when the ignition is turned to the ON position. With the ignition on this light will remain on to indicate that the air suspension switch (located in the trunk on the right side) is off or to indicate a possible system fault.

If the light is displayed while driving and the air suspension switch is not turned off, safely pull off the road as soon as possible. Turn the ignition switch from ON to OFF and to ON again. If the light continues to be displayed after flashing five (5) times, turn the air suspension switch (located in the trunk on the right side) off and take your vehicle to a dealership for service as soon as possible.

DEP
DEALER E-PROCESS

Overdrive Off Indicator

This light tells you that the Transmission Control Switch (TCS) has been pushed. When the light is on, the transmission will not shift into overdrive. Depressing the button will return the vehicle to "overdrive on" mode. The transmission will be in the "overdrive on" mode when the vehicle is started even if the O/D OFF mode was selected when the vehicle was last shut off.

If the light does not come ON when the TCS is depressed or if the light FLASHES when you are driving, have your vehicle serviced at the first opportunity. If this condition persists, damage could occur to the transmission.

Low Washer Fluid Light

This light comes on when there is less than a quarter of the container of washer fluid left. With the ignition ON this light will flash five (5) times and a tone will sound for one (1) second, and then the light will remain on.

WASHER FLUID

Door Ajar Light

If one of the doors is not completely shut, this light comes on when you turn the ignition to ON. With the ignition on this light will flash five (5) times and sound a tone for one (1) second, and then the light will remain on.

DEP
DEALER E-PROCESS

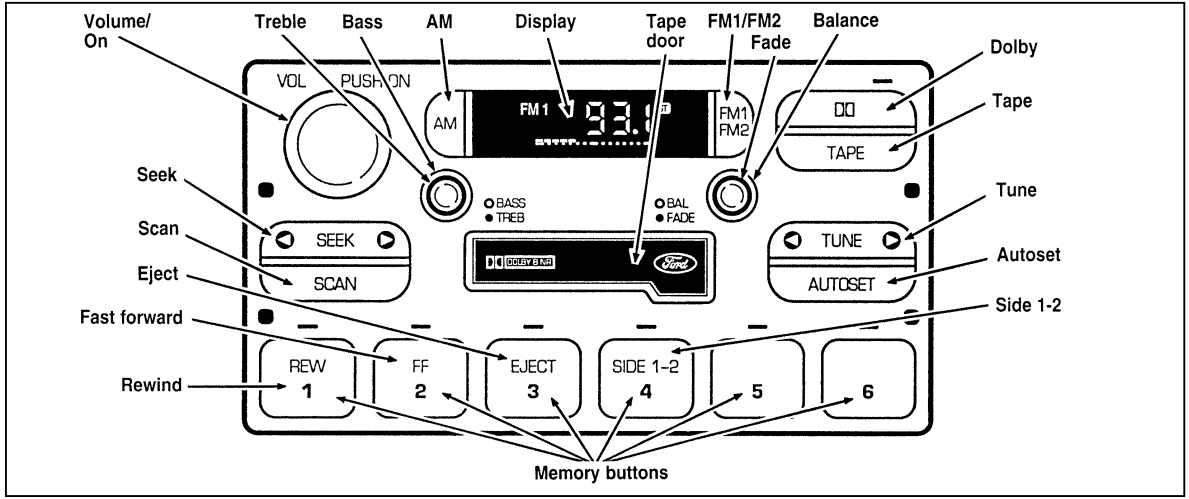
Trunk Ajar Light

If the trunk is not completely closed, this light comes on when you turn the ignition to ON. With the ignition ON this light will flash five (5) times and sound a tone for one (1) second, and then the light will remain on.

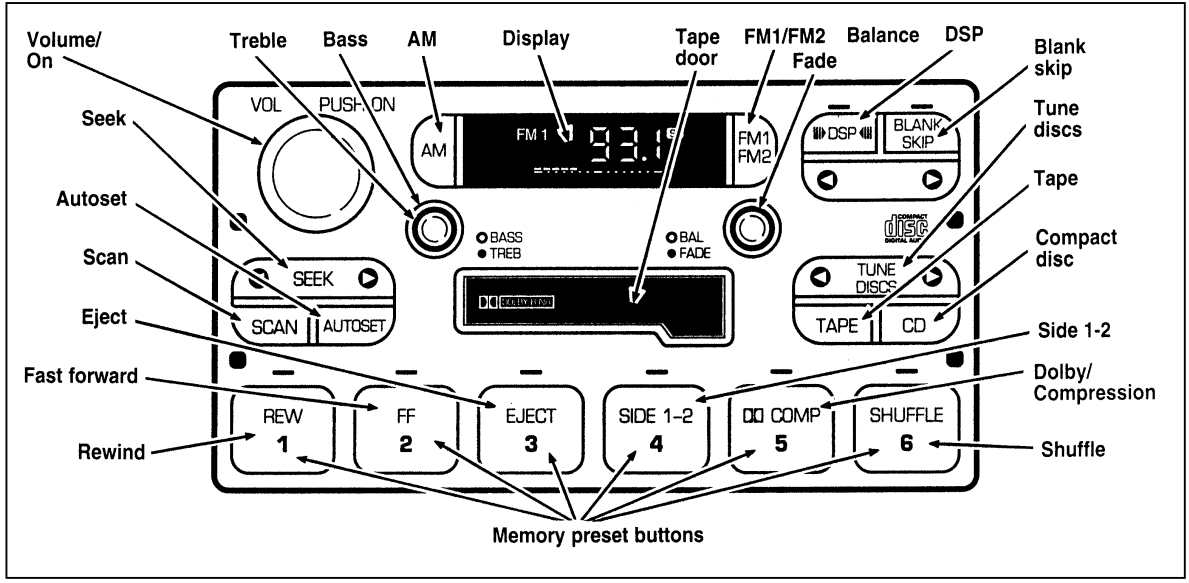
Chime for Headlamps On

This chime sounds if the driver or any passenger door is open when the parking lamps or headlamps are on. The chime sounds until you close the door, turn off the lamps or turn the ignition to the ON position.

DEP
DEALER E-PROCESS



Luxury Audio System (Analog)



Luxury Audio System (Digital)

DEP
DEALER E-PROCESS

Luxury Audio System

Using the Controls on Your New Radio

How to turn the radio on and off

Press the "VOL/PUSH ON" knob to turn the radio on. Press again to turn it off.

How to adjust the volume

Turn the "VOL/PUSH ON" knob clockwise to increase the volume and counter-clockwise to decrease the volume.

Volume may also be controlled by the Redundant Control Switch located on your steering wheel (if equipped). Press ∧ on the "VOL" button to increase the volume and ∨ on the "VOL" button to decrease the volume.

NOTE: If the volume is set above a certain level when the ignition is turned off, the volume level will reset to a "nominal" listening level when the ignition switch is turned back on. However, if the radio is turned off with the "VOL/PUSH ON" knob, the volume will not reset and will stay at the same level when the radio is turned back on.

Selecting the AM or FM frequency band

Push the "AM" or "FM1/FM2" button to select the desired frequency band. Pushing the "FM1/FM2" button more than once will alternate between FM1 and FM2. These functions are used with the memory preset buttons described under *How to tune radio stations*.

You may also select AM, FM1 or FM2 by depressing the "BAND" button located on the Redundant Control Switch on your steering wheel (if equipped).

DEP
DEALER E-PROCESS

How to tune radio stations

There are four ways for you to tune in a particular station. You can use the “TUNE”, “SEEK”, “SCAN” or memory buttons.

❑ Using the “TUNE” function

You can change the frequency up or down one increment at a time by pressing and releasing either the left ◀ or right ▶ side of the “TUNE” or “TUNE DISCS” button. To change frequencies quickly, press and hold down either the right or left side of the button.

Manual tuning adjusts your radio to any allowable broadcast frequency, whether or not a station is present on that frequency. (See *All About Radio Frequencies* in this section.)

❑ Using the “SEEK” function

Press the right ▶ side of the “SEEK” button to select the next listenable station up the frequency band. Press the left ◀ side of the button to select the next listenable station down the frequency band. By holding the button down, listenable stations can be passed over to reach the desired station.

❑ Using the “SCAN” function

Pressing the “SCAN” button will begin the scan mode up the frequency band, stopping on each listenable station for approximately five seconds.

To stop the scan mode on the presently sampled station, press the “SCAN” button again.

❑ Setting the station MEMORY PRESET buttons

Your radio is equipped with 6 station memory buttons. These buttons can be used to select up to 6 preset AM stations and 12 FM stations (6 in FM1 and 6 in FM2)

DEP DEALER E-PROCESS

1. Select a band, then select a frequency.
2. Press one of the memory buttons and hold until the sound returns and the lamp above the memory button lights up. That memory button is now set.
3. Follow the above steps for each memory preset button.

Using the Automatic Memory Store feature ("AUTOSET")

If the memory buttons have been set, either by using the Auto Memory Load feature or if you have set them manually, the system is prepared to let you use a convenient feature called Automatic Memory Store.

With Auto Memory Store, you can continually set strong stations into your memory buttons without losing your originally set stations. Your radio will automatically set your memory buttons to the strong local stations.

Activate Auto Memory Store by pushing the "AUTOSET" button once. Your radio will set the first six strong stations of the band you are in (AM, FM1 or FM2) into the memory buttons. The display will flash "AUTO" and display the autoset icon "A" while the stations are being set in the memory buttons.

NOTE: If there are less than six strong stations in the frequency band, the remaining unfilled buttons will store the last strong station detected on the band. After all stations have been filled, the radio will begin playing the station stored on memory button 1.

To deactivate the Auto Memory Store mode and return to the manually-set memory button stations, simply push the "AUTOSET" button. Display will show "AUTO" then "OFF". The next time Auto Memory Store is activated on that band, the radio will store the next set of six strong stations.

DEP
DEALER E-PROCESS

Adjusting the tone balance of your radio

❑ Increasing or decreasing bass and treble response

Push the “BASS/TREB” popout knob to gain access to the bass and treble controls. Bass control allows you to adjust the lower, bass frequencies to your preference. The outer ring of the “BASS/TREB” knob adjusts the bass (turn clockwise to increase bass; counterclockwise to decrease bass).

Treble control allows you to adjust the higher, treble frequencies of your radio to your preference. The inner ring of the “BASS/TREB” knob adjusts the treble (turn clockwise to increase treble; counterclockwise to decrease treble).

❑ Adjusting speaker balance and speaker fader

Push the “BAL/FADE” popout knob to gain access to the speaker balance and fader controls. Balance control allows you to adjust the sound distribution between the right and left speakers. The outer ring of “BAL/FADE” knob adjusts the speaker balance control. (Turn clockwise to shift the sound to the right speakers, and turn counterclockwise to shift the sound to the left speakers.)

Fade control allows you to adjust the sound distribution between the front and rear speakers. The inner ring of the “BAL/FADE” knob adjusts the speaker fader. (Turn clockwise to shift the sound to the rear speakers, and turn counterclockwise to shift the sound to the front speakers.)

DEP DEALER E-PROCESS

Using the Digital Signal Processing (DSP) Feature

Push the "(▶DSP◀)" button to activate the feature. The display will indicate which signal mode is in effect. To change the signal mode press either the left (◀) or right (▶) side of the selector button (located under the "(▶DSP◀)" button).

The following signal modes may be selected:

1. "HALL" — Rectangular concert hall capacity of about 2,000.
2. "CHURCH" — Church with a high vault.
3. "JAZZ" — Jazz club with clearly reflected sounds.
4. "STADIUM" — Outdoor stadium with a capacity of about 30,000.
5. "NEWS" — "Voice-only" type of sound with a limited audio band.

To deactivate the DSP feature, press the "(▶DSP◀)" button again.

Delayed Accessory Feature (If Equipped)

If the ignition is turned off while the radio is on, the radio will continue to play for up to ten minutes or until a door is opened.

Speaker Locations

The Premium Analog system is equipped with four speakers: one in each of the front doors and two in the package tray.

The Ford JBL sound system is equipped with a total of nine speakers: two in each of the front doors and four in the package tray along with one subwoofer speaker in the package tray.

DEP DEALER E-PROCESS

Your Antenna

Antennas for both AM and FM reception are hidden in the back glass of your vehicle. There is an internal antenna module that will switch between AM and FM, when bands are changed, for maximum reception performance.

NOTE: Do not attempt to adapt any other type of antenna system to your audio system.

Using the Controls of Your Cassette Tape Player

NOTE: Radio power must be on to use the cassette tape player.

How to insert a tape

Your cassette tape player is equipped with power loading. Once you insert a tape and push slightly (with the open edge to the right), the loading mechanism draws the tape the rest of the way in and play will begin after a momentary tape tightening process. Display indicates "TAPE" while tape is playing.

If the player is in the tape mode but not in play, pressing the "TAPE" button will activate play. If the "TAPE" button is pressed with no tape inserted, the display will flash "NO TAPE".

How to locate a desired track on the tape

There are six ways to quickly locate a desired selection on the tape. You can use the fast forward, rewind, Blank Skip, "SEEK", "SCAN" or "SIDE 1-2" functions. Following are brief descriptions of each:

❑ Fast forwarding the tape

To fast forward the tape, press the "FF" button. The radio will play while the tape is in fast forward. The light above the "FF" button will blink while in the fast forward mode. Press "FF" again or press the "TAPE" button to stop fast forwarding. At the end of the tape, the direction automatically reverses and plays the other side of the tape.

DEP DEALER E-PROCESS

❑ Rewinding the tape

To rewind the tape, press the “REW” button. The radio will automatically begin playing while the tape is rewinding. The light above the “REW” button will blink while in the rewind mode. Press “REW” again or press the “TAPE” button to stop rewinding.

❑ Using the “SEEK” function with your cassette tape player

While in the tape mode, push the right ▶ side of the “SEEK” button to seek forward to the next selection on the tape. Push the left ◀ side to restart a currently playing tape selection.

❑ Using the “Blank Skip” function with your cassette tape player

Press the “Blank Skip” button to activate the blank skip mode. After approximately 20 seconds of blank program, the tape will seek forward to the next program.

❑ Using the “SCAN” function with your cassette tape player

Pushing the “SCAN” button will begin the forward scan mode on the tape currently playing, stopping on each tape selection for approximately eight seconds.

To stop the scan mode on the presently sampled tape selection, press the “SCAN” button or the “TAPE” button.

❑ How to change the side of the tape being played

The alternate side of the tape can be selected by pressing the “SIDE 1-2” button.

DEP
DEALER E-PROCESS

How to eject the tape

To stop the tape and eject the cassette, press the "EJECT" button. The tape will eject only when in the tape mode. The cassette cannot be ejected when the radio is playing an "AM" or "FM" station. The system will revert to radio mode when the cassette is ejected.

How to store the tape

Press the "AM", "FM1/FM2", or the "BAND" button located on the Redundant Control switch on your steering wheel (if equipped) while a tape is loaded.

Using the Dolby® B noise reduction feature

NOTE: Noise reduction system manufactured under license from Dolby Labs Licensing Corporation. "Dolby" and double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

Push the DD button to activate. When activated, the light above the DD button will be illuminated.

Tape error messages

Your cassette tape player is equipped to diagnose certain problems you may experience. Error codes are as follows:

TD E1 — Radio tries to change sides of tape 3 times in a 10 second span. Push "EJECT" and try another tape. If problem persists, refer problem to qualified personnel for service.

TD E2 — Tape eject failure. Radio tries to eject tape and it will not eject. Push "EJECT" to eject tape. If the tape will not eject, refer problem to qualified personnel for service.

TD E3 — Loading error. Push "EJECT" to eject tape. Reload tape. If the same error code appears in the display, try another tape.

DEP DEALER E-PROCESS

Tips on Caring for the Cassette Player and Tapes

In order to keep your cassette tape player performing the way it was meant to, read and follow these simple precautions:

- ❑ Using a Ford Cassette Cleaning Cartridge or equivalent to clean the tape player head after 10-12 hours of play will help maintain the best playback sound and proper tape operation.
- ❑ Only cassettes that are 90 minutes long or less should be used. Tapes longer than 90 minutes are thinner and subject to breakage or may jam the tape player mechanism.
- ❑ Protect cassettes from exposure to direct sunlight, high humidity and extreme heat or cold. If they are exposed to extreme conditions, allow them to reach a moderate temperature before playing.
- ❑ If a tape is loose inside the cassette, tighten it before playing by putting your finger or a pencil into one of the holes and turning the hub until the tape is tight.
- ❑ Loose labels on cassette tapes can become lodged in the mechanism. Remove any loose label material before inserting a cassette.
- ❑ Do not leave a tape in the cassette tape player when not in use. High heat in the vehicle can cause the cassette to warp.

DEP DEALER E-PROCESS

Ford 10-CD Changer (If Equipped)

Introduction

The 10-CD Changer Unit is mounted in the trunk (10-disc capacity) and is remotely controlled through the controls of your Luxury Audio System.

Be sure to read all of the information provided on the following pages to get the most out of this system.

Loading Instructions

1. Open Compact Disc Changer unit by sliding door to the right (Figure 1).

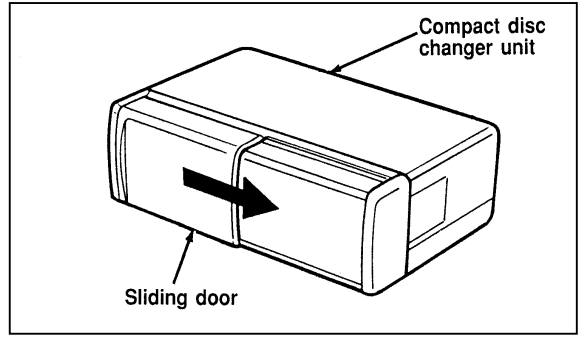


Figure 1

DEP DEALER E-PROCESS

2. Push EJECT button to eject the disc "magazine" (which holds 10 discs) (Figure 2).

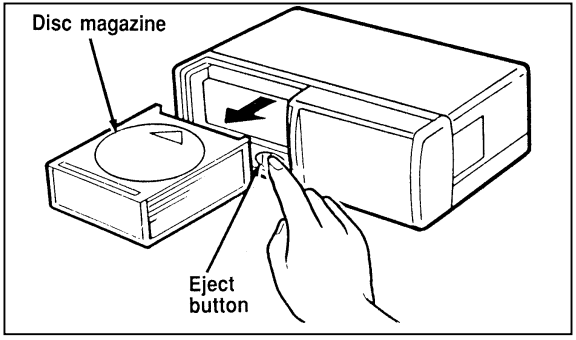


Figure 2

3. Load discs into disc magazine slots (numbered 1 through 10) one at a time with labeled surfaces upward, starting with bottom slot number 1 (Figure 3).

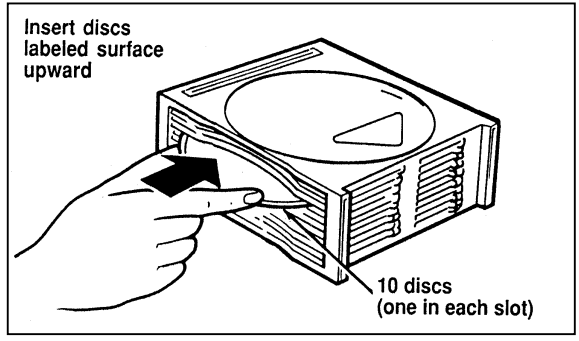


Figure 3

DEP
DEALER E-PROCESS

4. Insert loaded disc magazine into chamber unit with the arrow on top of the disc magazine pointing toward the changer (Figure 4). Make sure magazine is fully inserted into changer.

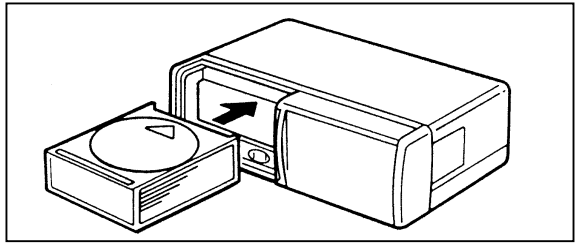


Figure 4

NOTE: To remove one or more compact disc(s) from the disc magazine, push the corresponding lever(s) (numbered 1 to 10 on the side of the disc magazine) to the left. Disc(s) will partially come out for easy removal.

5. Close unit by sliding changer panel door to the left.

The Compact Disc Changer unit is now ready to play using the controls of your Luxury Audio System.

How to Operate the Ford 10-CD Changer Using the Controls on the Radio

If your vehicle is equipped with the Ford 10-CD Changer System, you can operate it through the controls of your Luxury Audio System.

Several of the controls on the radio operate in the same manner in CD mode as they do in radio or cassette mode: turning the power on, volume control and adjusting the bass, treble, speaker balance or fade.

DEP DEALER E-PROCESS

How to begin CD Changer play

NOTE: Radio power must be on to operate the Compact Disc Changer.

Push the "CD" button to begin CD play. The 10-CD Changer will automatically begin playing the first track (selection) of the first disc loaded in the unit. The display will indicate CD-## for disc number and TRK-## for track number.

How to change the disc being played

When in the CD mode, you can change discs by pressing the "TUNE DISCS" button. Play will begin on the first track of the selected disc.

Pressing the right (▶) side of the button will select the next disc. Pressing the left (◀) side of the button will select the previous disc.

If either button is pressed and held, the CD Changer will continue fast-forwarding or reversing through the discs in the disc magazine. During these functions, the display will indicate the disc number.

How to change the track being played

Press the right (▶) side of the "SEEK" button to seek forward to the next track of current disc. If the button is held and the last track is reached, the disc changer will automatically begin playing the last track of the current disc. After the last track has been completed, the disc changer advances to the next disc and begins play of track 1. The display indicates the track number while seeking.

Press the left (◀) side of the "SEEK" button to seek in reverse to the previous track on the current disc.

Pressing the "FF" button will fast forward through the current track. Pressing the "REW" button will rewind through the current track.

DEP
DEALER E-PROCESS

Operating the CD Compression feature

The compression feature will bring soft and loud passages closer together for a more consistent listening level.

To turn the compression on, press the light above the " ❑❑ COMP" button. When on, the "❑❑ COMP" button will illuminate. Press the button again to turn off.

Operating the Shuffle feature

The shuffle feature on your CD player allows you to listen to your disc selections in a different order. When this feature is activated, your CD player will randomly select and play tracks on the disc.

Press the "SHUFFLE" button to turn on, press it again to turn off. When on, the light above the "SHUFFLE" button will illuminate.

Operating the "SCAN" function

Press the "SCAN" button to enter the scan mode. The CD player will begin scanning the disc, stopping on each listenable track for approximately an eight second sampling. This continues until you press the "SCAN" button a second time.

Operating the Shuffle and Scan features simultaneously

Both the shuffle and scan features can be activated simultaneously. In this mode, the player will randomly pick a selection and play the first eight seconds. This process is continued until either the "SCAN" button or "SHUFFLE" button is pressed a second time.

DEP
DEALER E-PROCESS

How to stop CD play

While in the CD Changer mode, press either the "AM" or "FM1/FM2" button to stop CD play and resume radio play. Also, loading a cassette into the cassette deck or pressing the "TAPE" button with tape already loaded will stop CD play and begin cassette play.

How to take care of and clean the CD Changer and discs

To ensure the continued performance of your CD Changer, carefully read the following precautions:

- ❑ Always handle a disc by the edge. Never touch the playing surface.
- ❑ Before playing, inspect all discs for any contamination. If needed, clean discs with an approved disc cleaner, such as the Discwasher® Compact Disc Cleaner or the Allsop 3® Compact Disc Cleaner, by wiping from the center out to the edges. Do not use a circular motion to clean.
- ❑ Do not clean discs with solvents such as benzine, thinner, commercially available cleaners or antistatic spray intended for analog records.
- ❑ Do not expose the discs to direct sunlight or heat sources for an extended period of time.
- ❑ Do not insert more than one disc into each disc slot of the disc magazine. Doing so may damage the discs, disc magazine or the disc changer.
- ❑ Do not insert anything other than discs into the disc magazine.

WARNING

The laser beam used in the compact disc player is harmful to the eyes. Do not attempt to disassemble the case.

DEP
DEALER E-PROCESS

CD Error Messages

Your system is equipped to diagnose certain problems you may experience. The error codes are:

— CD E1 — Mechanism error.

— CD E2 — Focus error.

— BAD CD — Disc unreadable.

— TOO HOT — Mechanism over 167˚ Farenheit (75˚C), allow to cool before playing.

— NO CD — Empty slot or magazine.

— NO DJ — CD Changer not connected or not communicating.

Common Operating Conditions of the CD Player

The following information is designed to help you recognize typical situations that could be mistakenly interpreted as mechanical malfunctions of the disc player.

- ❑ A disc is already loaded.
- ❑ The disc is inserted with the label surface downward.
- ❑ The disc is dusty or defective.
- ❑ The player's internal temperature is above 167˚F (75˚C). Allow the player to cool off before operating.
- ❑ Different manufacturers of compact discs may produce discs with different dimensions or tolerances, some of which may not be within industry standards or in accordance with the CD format. Because of this, a new disc that is free of dust and scratches could be defective and may not play on your Ford Compact Disc Player.

DEP DEALER E-PROCESS

If play does not begin after the CD button is pushed:

- ❑ The radio is not on.
- ❑ The unit is in the stop mode.
- ❑ Moisture may have condensed on the lenses within the unit. If this occurs, remove the disc and wait approximately an hour until the moisture evaporates.

If the sound skips:

- ❑ Badly scratched discs or extremely rough roads will cause the sound to skip. Skipping will not damage the disc player or scratch the discs.

Common Radio Reception Conditions

Several conditions prevent FM reception from being completely clear and noise-free, such as the following:

Distance / Strength

The strength of the FM signal is directly related to the distance the signal must travel. The listenable range of an average FM signal is approximately 24 miles (40 km). Beyond this distance, the radio is operating in a “fringe” area and the signal becomes weaker. Also, “Signal Modulation” is used by some stations to increase their “loudness” relative to other stations. The difference in loudness can be a result of signal modulation as well as signal strength.

Terrain

The terrain (hilly, mountainous, tall buildings) of the area over which the signal travels may prevent the FM signal from being noise-free.

If there is a building or large structure between the antenna and station, some of the signal “bends” around the building, but certain spots receive almost no signal. Moving out of the “shadow” of the structure will allow the station to return to normal.

DEP DEALER E-PROCESS

When the radio waves are reflected off objects or structures, the reflected signal cancels the normal signal, causing the antenna to pick up noise and distortion. Cancellation effects are most prominent in metropolitan areas, but also can become quite severe in hilly terrain and depressed roadways.

To minimize these conditions, a stereo/mono blend circuit has been incorporated into this system. This feature automatically switches a weak stereo signal to a clearer monaural signal, which improves the quality of reception.

Several sources of static are normal conditions on AM frequencies. These can be caused by power lines, electric fences, traffic lights and thunderstorms.

Another reception phenomenon is Strong Signal Capture and Overload. This can occur when listening to a weak station and when passing another broadcast tower. The close station may capture the more distant station, although the displayed frequency does not change. While passing the tower, the station may switch back and forth a few times before returning to the original station.

When several broadcast towers are present (common in metropolitan areas), several stations may overload the receiver, resulting in considerable station changing, mixing and distortion.

Automatic gain control circuitry for both AM and FM bands has been incorporated into this system to reduce strong signal capture and overload.

All About Radio Frequencies

The Federal Communications Commission (FCC) and the Canadian Radio Telecommunications Commission (CRTC) establish the frequencies that AM and FM radio stations may use for their broadcasts. The allowable frequencies are, AM: 530, 540...1600, 1610 kHz in 10 kHz steps; FM: 87.9, 88.1...107.7, 107.9 MHz in 0.2 MHz steps.

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Not all frequencies will be assigned to a given area. This radio will tune to each of these frequencies using manual tune and no fine tuning is necessary as radio stations may not use other frequencies.

Some FM radio stations advertise a “rounded-off” frequency which is not the frequency they actually broadcast on. For example, a radio station that is assigned a frequency of 98.7 MHz may call itself “Radio 99” even though 99.0 MHz is not an allowable FM broadcast frequency.

Important Warranty and Service Information

About Your Warranty

Your sound system is warranted for four years or 50,000 miles (whichever occurs first). Consult your vehicle warranty booklet for further information.

Servicing Your Audio System

At Ford, we stand behind our audio systems with a comprehensive service and repair program. If anything should go wrong with your Ford audio system, return to your dealer for service. There is a nationwide network of qualified Ford authorized repair centers to assist you.

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The Climate Control System

Electronic Automatic Temperature Control System

The Electronic Automatic Temperature Control (EATC) module is located at the center of the instrument panel and operates only when the key is in the ON position.

The EATC feature maintains the temperature you select and automatically controls the airflow for your comfort. It also allows you to override the automatic operation with manual override buttons.

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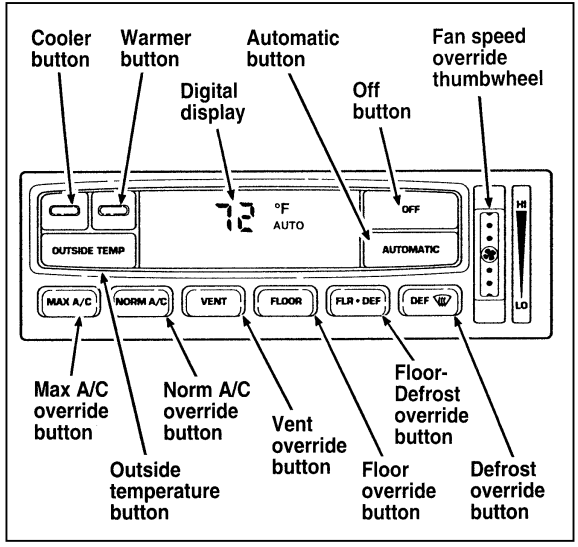

The controls for the automatic electronic climate control

To turn your EATC on, push the AUTOMATIC button or any of the six override buttons along the bottom of the control.

To turn your EATC off, press the OFF button. When the system is off, the display window will be blank (dark) except when OUTSIDE TEMP has been selected. Then, OUTSIDE TEMP and the temperature will appear in the window.

If you select AUTOMATIC, the system will automatically determine fan speed and airflow location. If an override button is selected, your selection determines airflow location only. Fan speed remains automatic unless you override it by rotating the vertical thumbwheel located at the extreme right of the control panel.

To change the temperature in the display window, select any temperature between 65˚F (18˚C) and 85˚F (29˚C) using the BLUE (cooler) or RED (warmer) buttons. The Electronic Automatic Temperature Control will do the rest.

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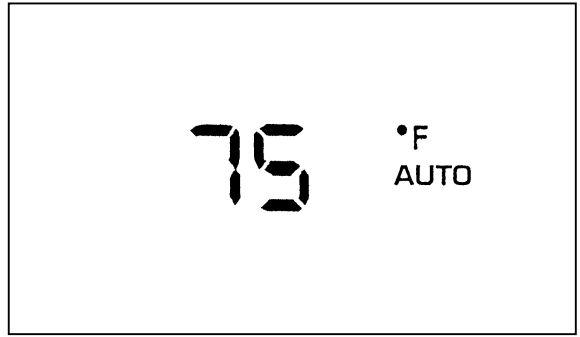
If you want continuous maximum cooling, push the BLUE button until 60˚F (16˚C) is shown in the display window. Your EATC will cool at maximum and disregard the 60˚F (16˚C) setting until you select a warmer temperature with the RED button. If you want continuous maximum heating, push the RED button until 90˚F (32˚C) is shown in the display window. Your EATC will provide maximum heat regardless of the 90˚F (32˚C) setting until you select a cooler temperature with the BLUE button.

The display window tells you how the system is operating. It will indicate the selected temperature and the operating function you have chosen; AUTO or one of the six manual overrides. It will also indicate manual (thumbwheel) control of the fan speed with the symbol. The display window with all possible displays and their positions are shown here. Normally not all are shown at the same time but are included here to familiarize you with the names and symbols.

Automatic operation

Push the AUTOMATIC button and select the desired temperature. The selected temperature and AUTO will be shown in the display window. The EATC will automatically heat or cool to achieve the set temperature. Under normal conditions, your EATC will need no additional attention.



The AUTO temperature display

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When in AUTOMATIC and weather conditions require heat, air will be sent to the floor. But, a feature is included in your EATC to prevent blowing cold air to the floor if the engine coolant is not warm enough to allow heating. For a short time the fan will be at low speed and air directed to the windshield. In 3-1/2 minutes or less, the fan speed will start to increase and the airflow will change to the floor area.

If unusual conditions exist (i.e., window fogging, etc.), the six manual override buttons allow you to select special air discharge locations. A thumbwheel allows you to adjust the fan speed to suit your needs.

Temperature selection

The RED and BLUE buttons at the upper left of the Control are for temperature selection. The RED button will increase the set temperature and the BLUE button will lower the set temperature. Pressing a button and releasing it will change the set temperature one degree. Holding either button in will rapidly change the temperature setting in one degree increments to either 65˚F (18˚C) (BLUE) or 85˚F (29˚C)(RED). Then, the set temperature will jump 5˚ and stop at either 60˚F (16˚C) which is maximum cooling or 90˚F (32˚C) which is maximum heating.

The average temperature range used is between 68˚F (20˚C) and 78˚F (26˚C). Changing the temperature setting by several degrees outside this range or overriding to 60˚F (16˚C) or 90˚F (32˚C) will not speed up the heating or cooling process.

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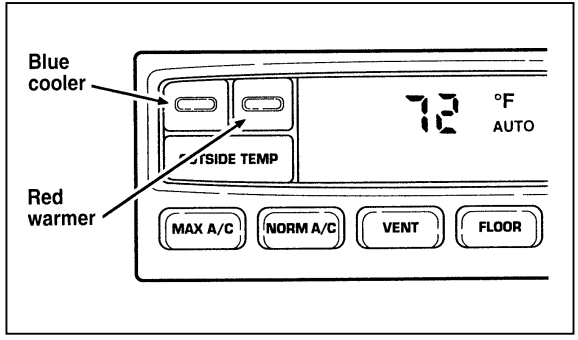

Temperature display

The selected temperature displayed in the window can be set for either ˚F or ˚C. Your car may have an English/Metric (E/M) Button to change your speedometer from miles to kilometers. When pressed, this button also changes the temperature display. With or without an E/M Button, the temperature display can also be changed to ˚F or ˚C using the MAX A/C and DEFrost override buttons.

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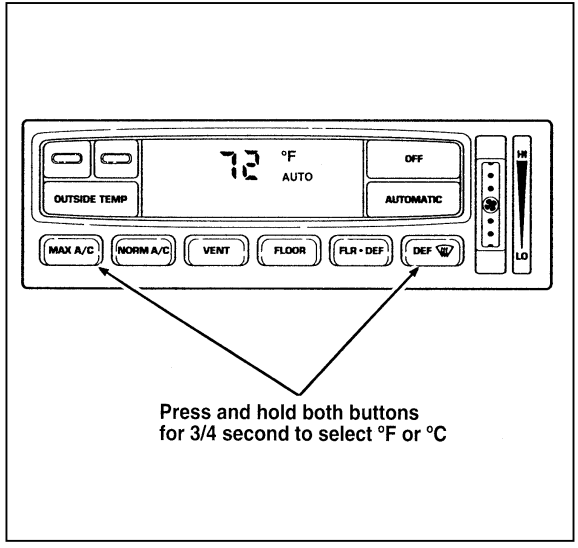

To change the temperature display to ˚F or ˚C, press and hold the MAX A/C and DEF Buttons at the same time for 3/4 second. The display will change. If you continue to press the two buttons, the display will continuously switch between ˚F and ˚C. If the temperature display does not agree with the speedometer on vehicles with an E/M button, pressing the E/M button will make them agree.

Fan speed and thumbwheel

Your EATC automatically adjusts the fan speed to the existing conditions. You must push AUTOMATIC for automatic fan speed operation. To control the fan speed yourself, use the thumbwheel which will cancel the automatic fan speed control. The thumbwheel is located at the extreme right side of the EATC control panel. It is a vertical control marked with a fan symbol. Rotate up for HI and down for LO speeds.

DEP
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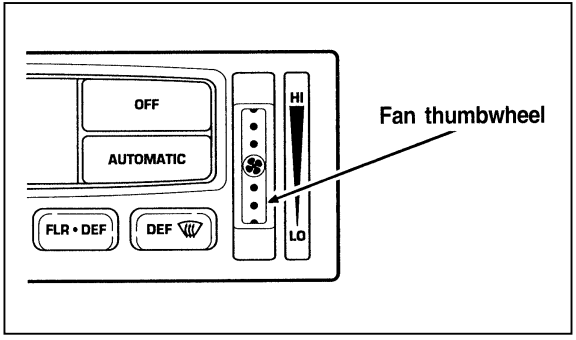

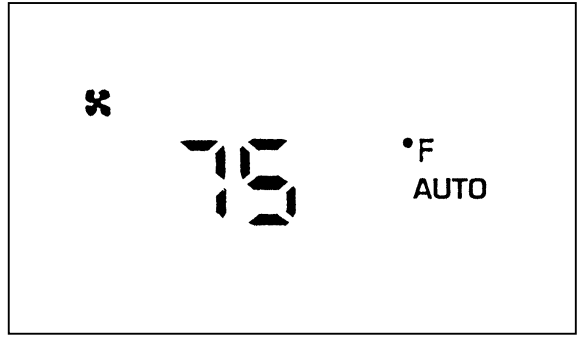

When you move the thumbwheel, the fan speed will go to manual control. The display window will show the symbol in the upper left corner along with the selected temperature and operating function.

You can override the fan speed at any time. If you use the thumbwheel to override the fan speed, the EATC will continue to control the temperature but you control the fan speed. To return to auto fan control, press the AUTOMATIC button. If you are operating in one of the override functions (FLOOR,

DEP
DEALER E-PROCESS

MAX A/C, etc.), automatic fan control will continue unless you rotate the fan thumbwheel. To return to automatic fan control, press the AUTOMATIC button. The EATC will return to Automatic operation. If you want to return to any override function, press the button for that function. The fan speed will continue to be automatically controlled.

Steering wheel remote control buttons

Some cars have control buttons to the right side of the center of the steering wheel which allow you to control some radio and climate control features. Refer to the *Steering Column Controls* chapter later in this owner guide for further information.

Manual override buttons

Your EATC has six buttons which allow you to make special selections. The buttons are located along the bottom edge of the EATC control and allow you to determine where the air will be discharged. Pressing any override button changes the air discharge location only. It does not affect the ability of the system to control temperature or the fan speed. Return to fully Automatic operation by pushing the AUTOMATIC button.

MAX A/C button

The MAX A/C feature allows for faster cooling because air is drawn from inside the vehicle. Using inside air causes the fan to sound louder which is normal for this selection. The Display window will change to indicate 60˚F (16˚C) and MAX A/C. The fan will run and the airflow will be from the instrument panel registers. To exit and return to the previous temperature, push AUTOMATIC or any of the other five override buttons.

NORM A/C button

When you push this button, you select air conditioning using outside air. The Display window will indicate A/C under the selected temperature. The cooled air will flow from the instrument panel registers. The fan speed will continue on automatic.

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VENT button

Push this button to select outside air through the instrument panel registers. The display window will show the set temperature and VENT to the lower right of the temperature. Your EATC will heat the air if the temperature you have selected is warmer than the outside air coming into the vehicle. However, the air will NOT be cooled regardless of the temperature setting.

FLOOR button

Airflow will be to the floor when the FLOOR button is pressed. The display window will show the set temperature and FLR to the left of the temperature. The air cannot be cooled in the FLR position, only heated. Fan speed will be automatic unless manually controlled. If you override the fan speed and wish to return to automatic fan control, push AUTOMATIC. Then, again select FLOOR for airflow to the floor.

FLR & DEF button

Push this button to get air to the floor and windshield defrosters at the same time. The display will show the set temperature, FLR and the Defrost symbol. If the outside temperature is about 50˚F (10˚C) and above, the air will be dehumidified to remove moisture. This will help to prevent fogging in humid weather.

DEF button

Press the Defrost Button to obtain maximum airflow to the windshield. Adjust the temperature setting as required for defrosting. The Display window will show the temperature setting with the Defrost symbol to the left of the temperature. When the outside temperature is about 50˚F (10˚C) and above, the air will be dehumidified to remove moisture. This will help prevent fogging in humid weather.

DEP
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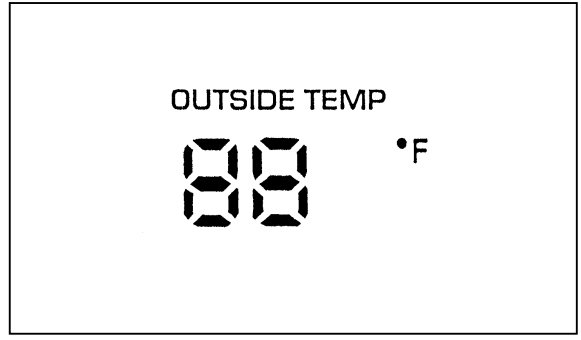
OUTSIDE TEMP button

By pressing this button the temperature of the air outside of the vehicle will show in the display. The outside temperature will continue to be displayed until the OUTSIDE TEMP button is pressed again to cancel. If the selected temperature setting is changed while the outside temperature is displayed, the new selected temperature will be displayed for 4 seconds after it is changed. Then, the outside temperature will return to the window. If a manual override is pressed or the thumbwheel is rotated while the outside temperature is displayed, the window will show the change for 4 seconds. Then, the outside temperature will return along with the changed override selection.



If the EATC is turned OFF while the outside temperature is displayed, the temperature will continue to be displayed. Press the OUTSIDE TEMP button to clear the display window. When the ignition key is turned OFF the display will be blank (dark).

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NOTE: The outside temperature reading is most accurate when the vehicle is moving. Higher readings may be obtained when the vehicle is not moving. The readings that you get may not agree with temperatures given on the radio due to differences in vehicle and station locations.

Operating tips

The following tips will help you to get the most satisfaction from your Electronic Automatic Temperature Control system.

- ❑ In humid weather, select DEF before starting your engine. This will help to prevent windshield fogging. After a few minutes of operation, switch to AUTOMATIC or an override selection of your choice.
- ❑ To prevent humidity buildup inside your vehicle, always drive with the EATC System turned on.
- ❑ Do not put objects under the front seats that interfere with the flow of air to the back seat area.
- ❑ Remove any snow, ice, or leaves from the air intake area of your EATC System which could block the air intake. The intake area is located at the bottom of the windshield, under the hood at the passenger side rear corner.

Service

If your EATC is not operating as described here, take it to your dealer to have it checked. System diagnostics are built in which will allow your dealer to readily identify problems that might occur.

DEP
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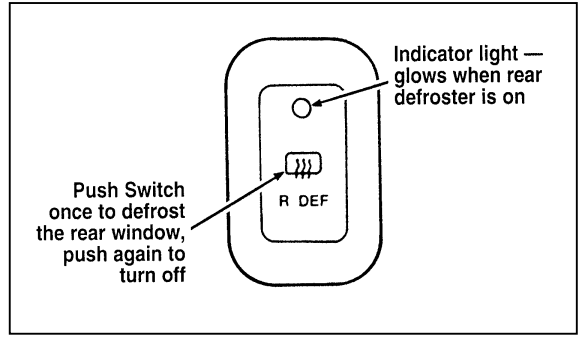
Rear Window Defroster and Heated Sideview Mirrors

The rear window and heated outside mirrors defroster switch activates the defroster for the rear window to clear frost, fog, or thin ice from both the inside and outside of the rear window and activates the heated outside rearview mirrors.

The switch for the rear window defroster and heated outside rearview mirrors is located to the left of the climate control.



The switch that controls the rear window defroster and heated outside rearview mirrors

Before using the defroster, clear away any snow that is on the rear window and outside rearview mirrors. With the engine running, push the defroster button.

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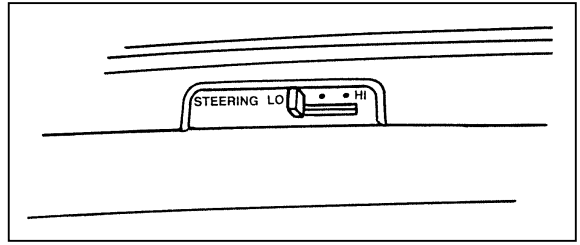
After approximately 10 minutes, the defroster will turn off. If the window or mirrors are still not clear, turn the defroster on again.

The defroster will turn off when the ignition key is turned to the OFF or START position.

The heating elements are bonded to the inside of the rear window. Do not use sharp objects to scrape the inside of the rear window or use abrasive cleaners to clean it. Doing so could damage the heating elements.

3-Way Steering Assist Switch (If Equipped)

Your Town Car is equipped with a speed sensitive steering system that changes steering effort with vehicle speed. As the vehicle speed increases, this system automatically increases the steering effort (i.e., it takes more force to move the steering wheel) to provide better road feel. At lower speeds the steering effort is decreased, making it easier to perform turns or other slow speed maneuvers such as parking.



3-way steering assist switch

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The Interior and Exterior Lights

Daytime Running Light System

(Canadian vehicles only)

The Daytime Running Light (DRL) system is designed to turn the high beam headlamps on, with a reduced light output and without illuminating the high beam indicator lamp in the instrument panel. The DRL system operates when all of the following conditions are met:

- ❑ The headlamp system is in the OFF position, and
- ❑ The vehicle is running, and
- ❑ The vehicle has a fully released parking brake.

NOTE: If you have a vehicle with an automatic lighting system, the DRL system is active until the automatic system turns on the headlamps.

NOTE: You may notice that the lights flicker when the vehicle is turned on or off. This is a normal condition.

WARNING

The Daytime Running Light (DRL) system will not illuminate the tail lamps and parking lamps. Turn on your headlamps at dusk. Failure to do so may result in a collision.

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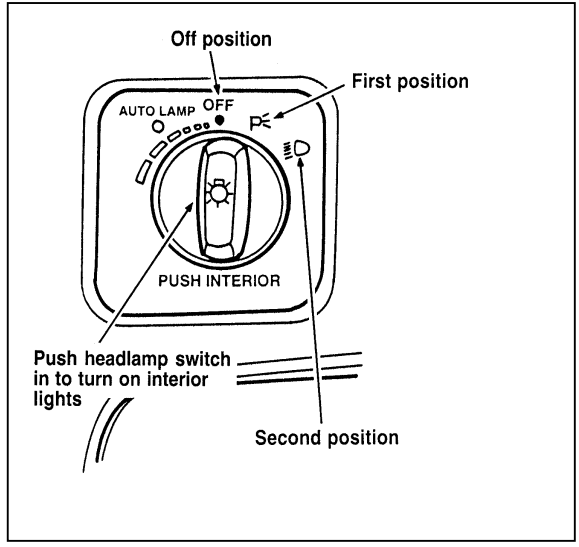
Turning On the Exterior Lights

To turn on your headlamps, parking lamps, side markers, license plate lamps and tail lamps, use the control knob that is to the left of the steering wheel.



The knob that operates the headlamps and parking lamps

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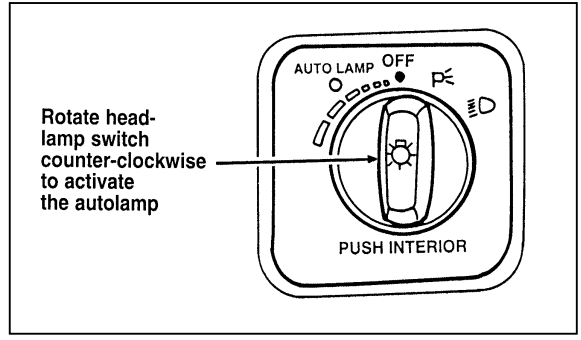
To turn on the parking lamps, tail lamps, side markers, and license plate lamps, turn the knob clockwise to the first position.

For more information about how the high beams work, see the high beam section later in this chapter.

Setting the Autolamp On/Off Delay System

By using the autolamp, you can set the headlamps to:

- ❑ turn on the lamps automatically at night
- ❑ turn off the lamps automatically during daylight
- ❑ keep the lamps on for up to three minutes after you turn the key to OFF.



The controls for the autolamp

To use the autolamp:

1. Make sure the headlamp control is in the OFF position. If the control for the headlamps is ON, you cancel the autolamp.
2. Turn the ignition key to ON or start your vehicle.

DEP
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3. Rotate the headlamp switch counterclockwise from the OFF position.
4. The autolamp will automatically turn the lamps on and off for you.

Do not put any articles on top of the photocell that is located in the top left corner of the instrument panel. This photocell controls the autolamp. If you cover it, the photocell reacts as if it is nighttime, and the lamps turn on.

To turn the autolamp off, rotate the headlamp switch clockwise to the OFF position.

You can set the autolamp so the headlamps stay on for up to three minutes after you turn your vehicle off.

- The further you rotate the headlamp switch counterclockwise, the longer the lamps will stay on after you leave your vehicle. Similarly, if you rotate the switch only slightly, the headlamps stay on for only a short time after you turn your vehicle off.

Turning On Interior Lights

To turn on the interior lights, push the headlamp switch in.

Instrument Panel Illumination

With the light knob in the parking lamps or the headlamps position, you can brighten or dim the lights in the instrument panel with the rocker switch.

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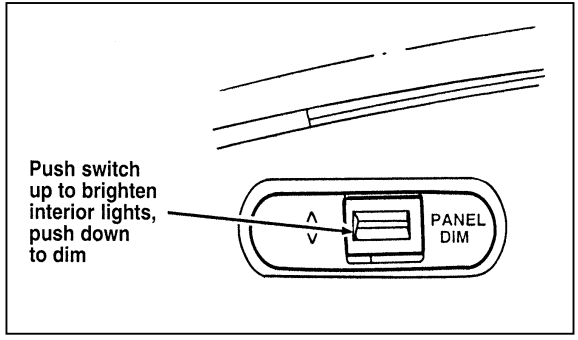
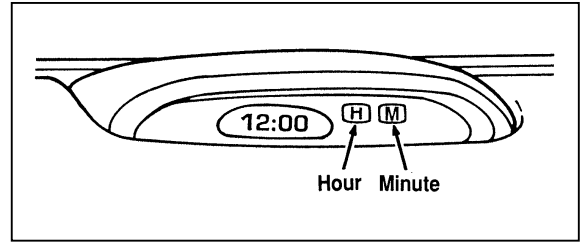


The switch that controls the light on the instrument panel illumination

Clock



The digital clock

1. To set the hour, press and hold the hour button. When the desired hour appears, release the button.
2. To set the minutes, press and hold the minute button. When the desired minute appears, release the button.

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Ashtray and Cupholder

Your vehicle has an ashtray/cupholder mounted to the lower center of the instrument panel.

To open the ashtray, pull out the bottom edge of the drawer until it stops.

To close, remove cup(s) and push drawer forward until closed.

Power Point Electrical Outlet

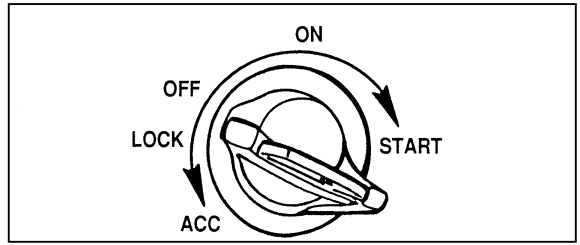
The power point outlet is located under the instrument panel to the right of the ashtray. This outlet should be used in place of the cigarette lighter for optional electrical accessories.

NOTE: Do not plug optional electrical accessories into the cigarette lighter. Electrical system damage could occur.

To access the outlet, pull the cap off.

Ignition

Understanding the Positions of the Ignition



The positions of the key in the ignition

ACC allows some of your vehicle's electrical accessories such as the radio and the windshield wipers to operate while the engine is not running.

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NOTE: Your vehicle is also equipped with an accessory timer. This allows some of your accessories to remain on for up to 10 minutes after the ignition is turned to the OFF position. The accessory timer is cancelled if any door is opened, the dimmer switch is used, or the ignition is turned to the ON position.

The automatic transmission gearshift must be in P (Park) to move the key to the LOCK position.

LOCK locks the steering wheel. It also locks the gearshift lever.

LOCK is the only position that allows you to remove the key. The LOCK feature helps to protect your vehicle from theft.

OFF allows you to shut off the engine and all accessories without locking the steering wheel, or the gearshift lever.

ON allows you to test your vehicle's warning lights to make sure they work before you start the engine. The key returns to the ON position once the engine is started and remains in this position while the engine runs.

START cranks the engine. Release the key once the engine starts so that you do not damage the starter. The key should return to ON when you release it.

Key System

The vehicle is equipped with a master key and valet key lock system. The master key will actuate doors, trunk, glove box, ignition and remote trunk release. The valet key will actuate doors and ignition only. The valet key is marked "valet".

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Removing the Key From the Ignition

1. Put the gearshift in P (Park).
2. Set the parking brake fully.
3. Turn the ignition key to LOCK.
4. Remove the key.

If the key is stuck in the LOCK position, move the steering wheel left or right until the key turns freely.

If the driver's door is open while the key is still in the ignition, a warning chime sounds.

WARNING

Always set the parking brake fully and make sure the gearshift is latched in P (Park). Turn off the ignition whenever you leave your vehicle.

WARNING

Do not leave children, unreliable adults, or pets unattended in your vehicle.

The Turn Signal Lever

You can use the turn signal lever on the left side of the steering column to:

- ❑ operate the turn signals and cornering lamps
- ❑ turn the high beams on/off
- ❑ flash the lights
- ❑ turn the windshield wipers and washer on/off

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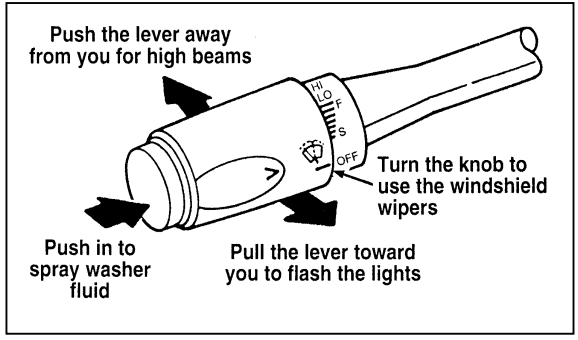

Turn Signals

Move the lever up to signal a right turn. Move it down to signal a left turn. The corresponding indicator light in the instrument cluster will flash.

For lane changes, move the lever far enough to signal but not to latch. The lever will return to the off position when you release it.

When the turn signal is used when the headlamps are on, the cornering lamps will automatically light on either the right or left side depending on the direction of the turn.

High Beams

To turn on the high beams, turn the headlamp control switch to the headlamp ON position (or activate the autolamp feature) and push the turn signal lever away from you until it latches. When the high beams are ON, the high beam indicator light on the instrument cluster comes on.

To turn off the high beams, pull the lever toward you until it latches. The high beam indicator light turns off.

Flashing the Lights

To flash the headlamps, pull the lever toward you for a moment and then release it. The headlamps will flash whether the headlamp knob is in the on or off position.

DEP
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Windshield Wipers and Washer

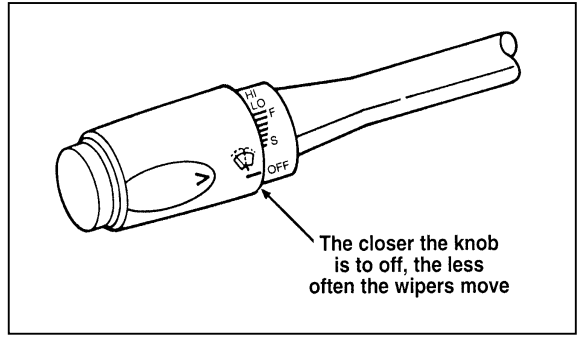
To turn on the windshield wipers, the ignition key must be turned to the ON or ACC position.

Rotate the knob towards “S” to activate the wipers. The first seven detents are interval wipe positions, the eighth detent is the LO position and the ninth detent is the HI position.

To turn the wipers off, turn the knob to the OFF position.

Variable Interval Wipers

In addition to two speed wipers, your vehicle has wipers that you can set to operate at varying intervals. For example, you can set the interval so they wipe less often when it drizzles or more often in heavier rain.



To set the interval wipers, turn the knob at the end of the turn signal lever between “S” (slow) and “F” (fast) until the desired interval between wipes is achieved.

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Windshield Washer

To clean the windshield, push in the end of the wiper knob. For a constant spray, keep the knob pushed in. After you release the knob, the wipers operate for two to three cycles before turning off (if the wipers were OFF) or returning to HI, LO, or the interval setting selected.

If the washer does not work, check the washer fluid level and fill it if it is low. See the *Maintenance and Care* chapter. If there is enough fluid, consult your nearest Ford or Lincoln-Mercury dealer.

Do not try to clean the windshield when the washer fluid container is empty or activate the washers at any time for more than 15 seconds continuously. This could damage the washer pump system.

WARNING

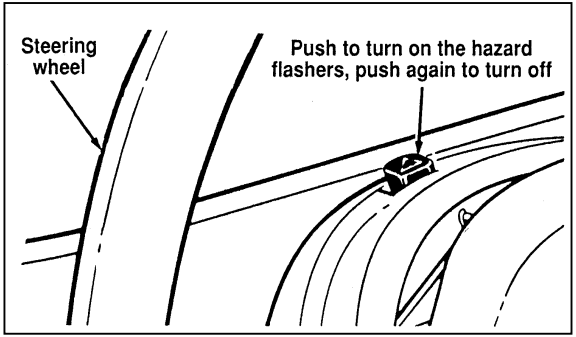
Always warm up the windshield with the defroster before you use the washer fluid. In freezing weather, the washer solution may freeze on the windshield and obscure your vision.

For information about refilling the washer fluid or replacing your windshield wiper blades, see *Windshield washer fluid and Wipers* in the Index.

Hazard Flasher

The hazard flasher serves as a warning to other drivers to be careful when approaching or passing your vehicle.

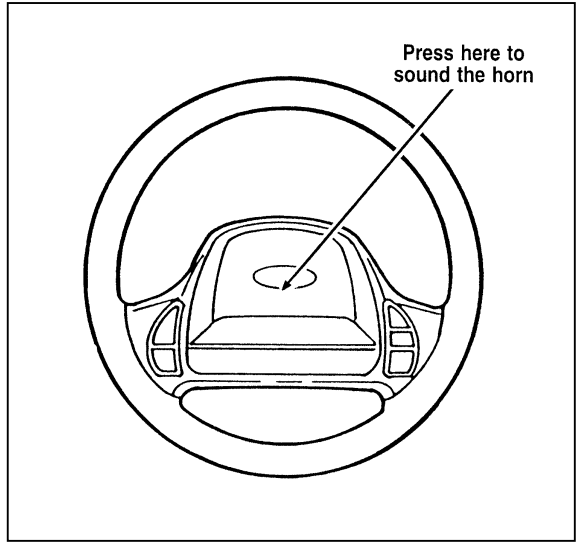
DEP DEALER E-PROCESS



The control switch for the hazard flashers

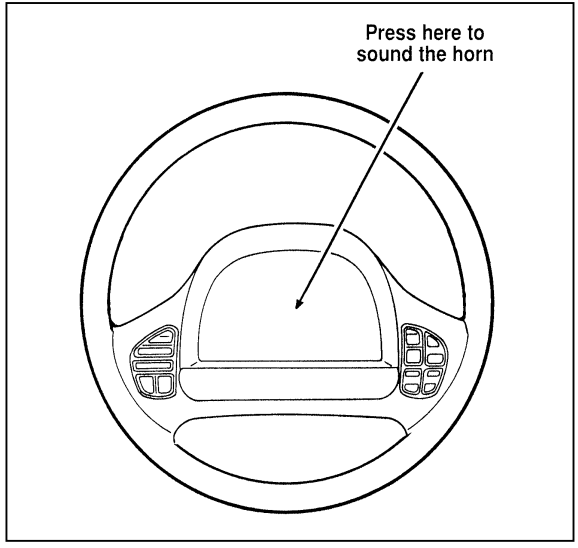
Horn

To sound the horn, push the center pad area of the steering wheel.



The horn on the steering wheel — Executive series

DEP
DEALER E-PROCESS

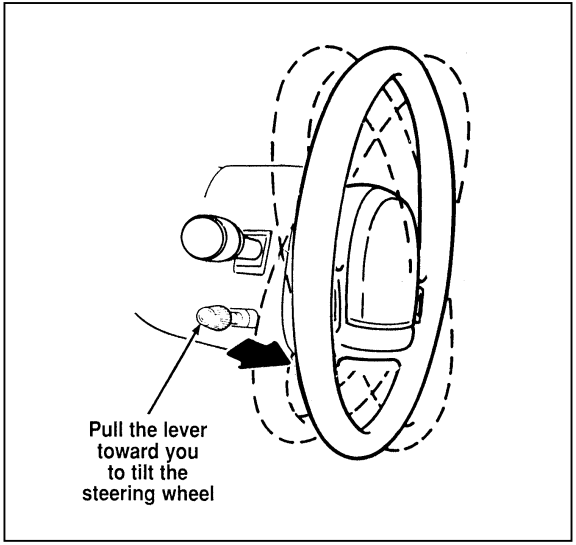


The horn on the steering wheel — Signature and Cartier series

Tilt Steering

WARNING
Never adjust the steering wheel when the vehicle is moving.

DEP
DEALER E-PROCESS



The lever to tilt the steering wheel

To change the position of the steering wheel, pull the release lever on the column toward you. Tip the steering wheel to the desired position. Release the lever to lock the steering wheel in place.

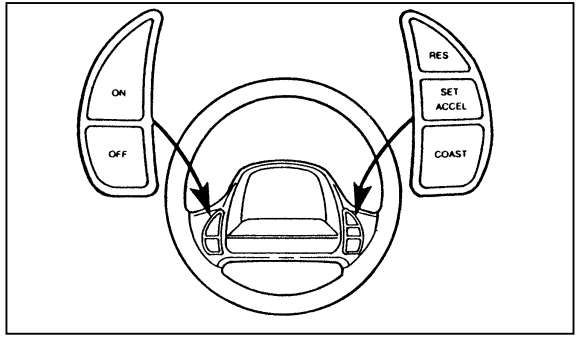
Speed Control

The speed of the vehicle cannot be automatically controlled until the vehicle speed is at or above 30 mph (48 km/h).

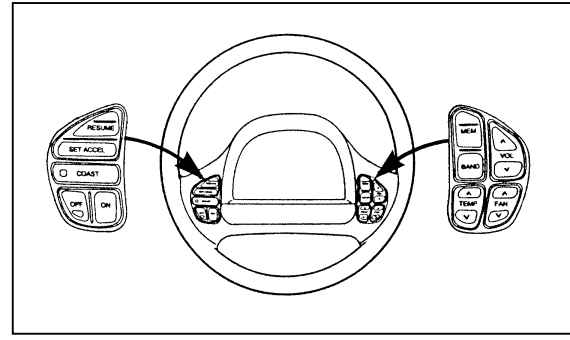
Use of radio transmitting equipment that is not Federal Communications Commission (FCC) or in Canada the Canadian Radio and Telecommunications Commission (CRTC) approved may cause the speed control to malfunction. Therefore, use only properly installed FCC (CRTC in Canada) approved radio transmitting equipment in your vehicle.

NOTE: Do not shift to N (Neutral) when using the speed control. This will cause the engine to overspeed.

DEP
DEALER E-PROCESS



The speed control switches on the steering wheel — Executive series



The speed control switches on the steering wheel — Signature and Cartier series

DEP
DEALER E-PROCESS

To Turn Speed Control Off

❑ Press OFF, OR

❑ Turn off the vehicle ignition.

Once speed control is switched off, the previously programmed set speed will be erased.

To Turn Speed Control On

❑ Press ON

To Set a Speed

Press SET ACCEL. For speed control to operate, the speed control must be ON and the vehicle speed must be greater than 30 mph (48 km/h).

If you drive up or down a steep hill, your vehicle speed may vary momentarily slower or faster than the set speed. This is normal.

Speed control cannot reduce the vehicle speed if it increases above the set speed on a downhill. If your vehicle speed is faster than the set speed while driving on a downhill in j (Overdrive), you may want to shift to the next lower gear to reduce your vehicle's speed.

If your vehicle slows down more than 10 mph (16 km/h) below your set speed on an uphill, your speed control will disengage. This is normal. Pressing RES (Resume) will re-engage it.

WARNING

To keep your vehicle under control, do not use speed control in heavy traffic or on roads that are winding, slippery, or unpaved.

To Set a Higher Set Speed

❑ Press and hold SET ACCEL. Release the switch when the desired vehicle speed is reached. OR

❑ Press and release SET ACCEL. Each press will increase the set speed by 1 mph (1.6 km/h). OR

DEP DEALER E-PROCESS

❑ Accelerate with your accelerator pedal, then press SET ACCEL.

You may accelerate with the accelerator pedal at any time during speed control usage. Releasing the accelerator pedal will return your vehicle speed to the previously programmed set speed.

To Set a Lower Set Speed

❑ Press and hold COAST. Release the switch when the desired vehicle speed is reached. OR

❑ Press and release COAST. Each press will decrease the set speed by 1 mph (1.6 km/h). OR

❑ Depress the brake pedal. When the desired vehicle speed is reached, press SET ACCEL.

To Disengage Speed Control

❑ Depress the brake pedal.

Disengaging the speed control will not erase the previously programmed set speed.

To Return to a Set Speed

❑ Press RES (RESUME). For RES (RESUME) to operate, the vehicle speed must be faster than 30 mph (48 km/h).

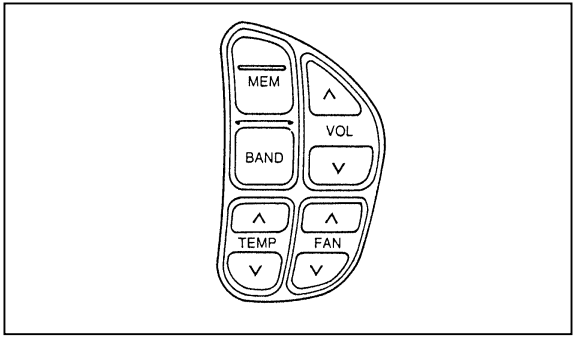
Indicator Light (If Equipped)

Lights when either the SET ACCEL or RES (RESUME) switches are pressed and remains lighted until it is either disengaged or turned off.

DEP DEALER E-PROCESS

Remote Control Buttons (If equipped)

Your vehicle may be equipped with remote control buttons, located on the steering wheel, which allow you to control some radio and climate control features.



The remote control buttons on the steering wheel

Radio Control Features

With the remote radio control features you are able to:

- ❑ Select a preset station from memory by pressing the “MEM” button.
- ❑ Select AM, FM1, or FM2 by pressing the “BAND” button.
- ❑ Adjust the volume to the desired level by pressing either the “VOL” up or “VOL” down button.

Climate Control Features

With the remote climate control features you are able to:

- ❑ Adjust the temperature level by pressing the “TEMP” up or “TEMP” down button.
- ❑ Adjust the fan speed by pressing the “FAN” up or the “FAN” down button.

DEP
DEALER E-PROCESS

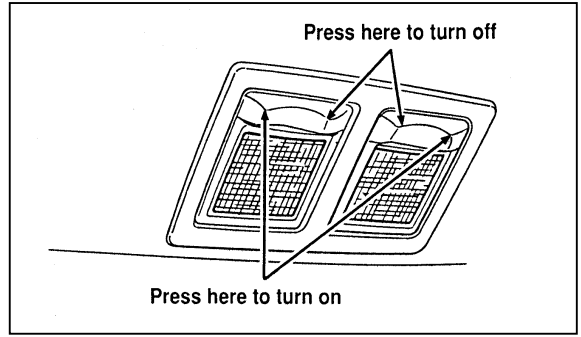
Turning On the Lamps

Front and Rear Courtesy/Reading Lamps

Your vehicle is equipped with two courtesy/reading lamps located at the front-center and rear-center of the headliner (roof). The right lamps are for the right side passengers and the left lamps are for the driver and rear left side passenger.

With the lens in the flat position, the courtesy/reading lamp will illuminate when any door is opened or when the headlamp dimmer knob is rotated to the courtesy lamp position.

With the lens in the rotated position, the courtesy/reading lamp will illuminate.

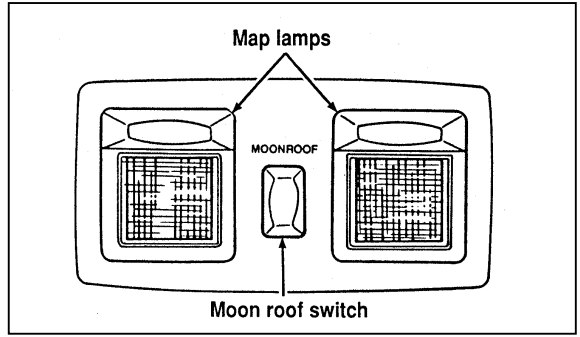


DEP
DEALER E-PROCESS

Moon Roof (If equipped)

You can move the moon roof back to open the glass panel, or you can tilt it up to ventilate the vehicle.

The rocker type switch is used to open and close the moon roof. You must press and hold the switch until the desired position is reached. At fully open, closed and intermediate positions, the motor will automatically turn off. Release the switch at this time to avoid motor damage.



The switch for the moon roof

To open the moon roof, press and hold the rear portion of the switch.

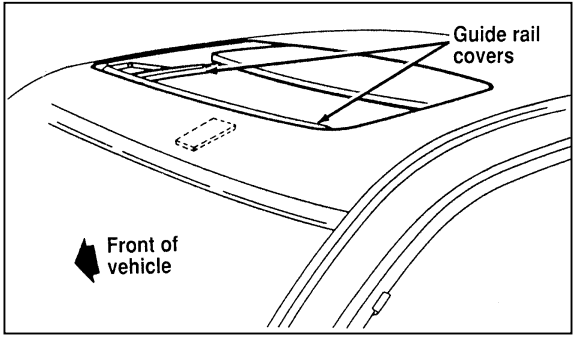
To close the moon roof, press and hold the front portion of the switch.

To tilt the moon roof into vent position when the glass panel is closed, press the front portion of the switch.

DEP
DEALER E-PROCESS

To close from vent position, press and hold the rear portion of the switch.

Occasionally wiping the outside guide rail covers of the moon roof with a clean cloth will help keep the moon roof working properly.



The moon roof

WARNING

Do not let children play with the moon roof. They may seriously hurt themselves.

Sliding Shade

The moon roof has a sliding shade that you can manually open or close to block the sun when the glass panel is shut.

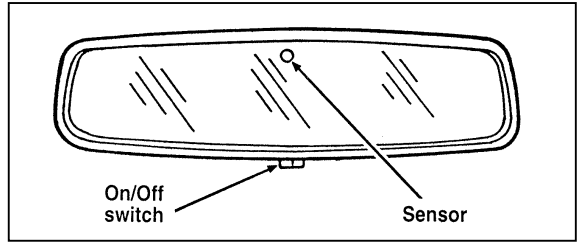
To close the sliding shade, pull the shade toward the front of the vehicle. The shade automatically opens and locks when the moon roof is opened.

DEP DEALER E-PROCESS

Mirrors

Automatic Dimming Inside Rearview Mirror (If equipped)

The electronic day/night mirror will change from the normal state to the non-glare state when bright lights (glare) reach the mirror. This mirror functions at night, and has a limited function at dusk or dawn. From the non-glare state, the mirror will return to the normal state after a short delay. The delay starts when the glare goes away. The delay prevents excessive changing of the mirror as traffic moves behind and around the vehicle, or on rolling hills and curves.



The automatic non-glare mirror

To turn the mirror on or off, push the On/Off switch, located on the bottom of the mirror. The switch will illuminate in the on position.

The electronic mirror measures the brightness of the light coming in from the rear of the vehicle. It automatically makes a correction in the glare state. The mirror may be turned off in either the normal or non-glare position.

DEP
DEALER E-PROCESS

There are two light sensors (photocells) in this mirror. The sensor that detects rear glare is located inside a window in the center of the mirror. The second light sensor which determines outside light level is located on the backside of the mirror case. The driver's side mirror is activated by these sensors to prevent glare when traffic is behind or around the vehicle.

NOTE: Do not block the sensor on the backside of the mirror (i.e., with a parking tag, car deodorizer, etc.) since this may impair proper mirror performance.

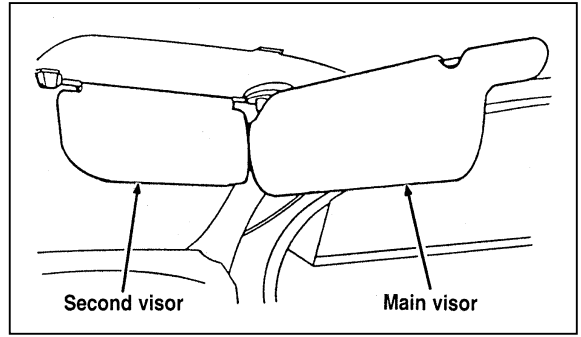
One important safety feature is that the mirror automatically returns to the normal position whenever the vehicle is placed in R (Reverse) (when the mirror is in the ON position). This feature ensures a bright clear view in the mirror when backing up.

Do not clean the housing or glass of any mirror with harsh abrasives, fuel or other petroleum-based cleaning products.

Sun Visors

Using the Sun Visors

To block the sun, move the main visor down. If equipped with a secondary visor, move the main visor to the side and move the secondary visor down.

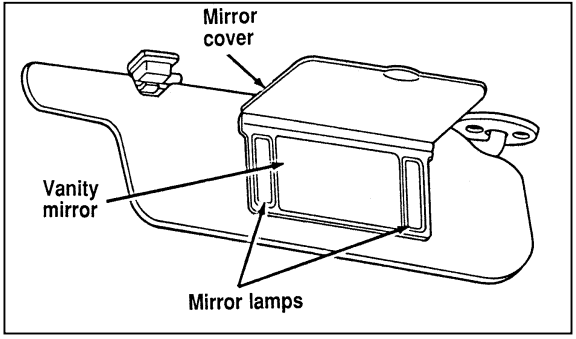


The passenger sun visor

DEP
DEALER E-PROCESS

Illuminated Visor Mirror (If equipped)

To turn on the visor mirror, lift the mirror cover.



The mirror on the sun visor

HomeLink® Universal Transmitter (If equipped)

The HomeLink Universal Transmitter provides a convenient way to replace up to three hand-held transmitters with a single built-in device. This innovative feature will learn the radio frequency codes of most current transmitters to operate garage doors and gates. With the available accessory package, the HomeLink Transmitter can also control home or office lighting and security systems. For reliability, the HomeLink Transmitter is powered by your vehicle's battery and charging system.

WARNING

When programming your HomeLink Transmitter, you will be operating the garage door or gate. Be sure that people and objects are out of the way to prevent potential harm or damage.

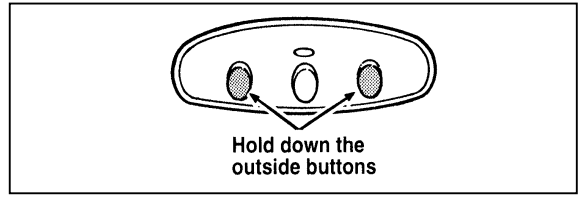
DEP DEALER E-PROCESS

Do not use this HomeLink Transmitter with any garage door opener that lacks safety “stop” and “reverse” features as required by federal safety standards, (this includes any garage door opener model manufactured before April 1, 1982). A garage door opener which cannot “detect” an object in the path of a closing door and then automatically “stop” and “reverse” the door, does not meet current federal safety standards. Using a garage door opener without these features increases risk of serious injury or death. For more information on this matter, call toll-free: 1-800-355-3515.

Programming

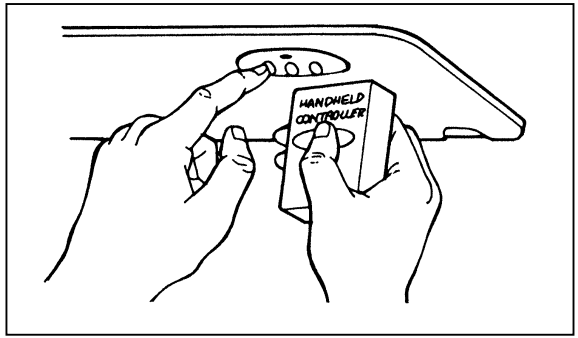
If after repeated attempts you do not successfully program the HomeLink Universal Transmitter to learn the signal of the hand-help transmitter, call toll-free for customer assistance: 1-800-355-3515.

1. If you have previously programmed your HomeLink Transmitter, proceed to step 2. Otherwise, hold down the two outside buttons on the HomeLink Transmitter until the red light begins to flash. Release both buttons.



2. Decide which one of the three channels you want to program.
3. Hold the end of your hand-held transmitter against the front surface of the HomeLink Transmitter so that you can still see the red light.

DEP
DEALER E-PROCESS



4. Using both hands, push the hand-held transmitter button and the desired button on the HomeLink Transmitter. Continue to press both buttons through step 5.

5. Hold down both buttons until you see the red light on the HomeLink Transmitter flash, first slowly and then rapidly. It indicates that you have successfully programmed the HomeLink Transmitter to learn the new frequency signal. Release both buttons once the rapid flashing begins.

Note to Canadian Residents

During programming, your hand-held transmitter may automatically stop transmitting after two seconds, which may not be long enough to program the HomeLink Universal Transmitter.

If you are programming from one of these hand-held transmitters, continue to hold the button on the HomeLink Transmitter while you re-press your hand-held transmitter every two seconds.

You may have to repeat this function several times while programming.

DEP
DEALER E-PROCESS

Operating the HomeLink® Universal Transmitter

Once it is programmed, the HomeLink Universal Transmitter can be used in place of your hand-held transmitter(s). To operate, simply press the appropriate button on the HomeLink Transmitter. The red light comes on while the signal is being transmitted.

NOTE: If your hand-held transmitter appears to program the HomeLink Transmitter, but does not open your garage door, and if your garage door opener was manufactured after 1995, your garage door opener may have a "code protected" or "rolling code" feature.

A "rolling code" type of system will change the "code" of your garage door opener every time you open or close your garage door.

To determine if you have one of these systems, depress the button on the HomeLink Transmitter that you programmed. If the red light on the HomeLink Transmitter flashes rapidly for 1-2 seconds, then remains on, your garage door opener has a rolling code system.

Training a Garage Door Opener Equipped with "Rolling Codes"

To train your "rolling code" garage door opener to operate from your HomeLink Transmitter, follow these steps:

1. Program your hand-held transmitter to the HomeLink Transmitter by following the procedures outlined in the "Programming" section of these instructions. (If you already completed this programming, proceed to the next instruction.)
2. Train your garage door opener receiver to recognize your HomeLink Transmitter. (Your garage door opener receiver will learn to recognize the HomeLink Transmitter by following the same procedures used to train the hand-held transmitter.)

DEP DEALER E-PROCESS

- ❑ Remove the cover panel from your garage door opener receiver. (The receiver should be located by the garage door opener motor.)
- ❑ Locate the training button on the garage door opener receiver. The exact location and color of the button may vary by garage door opener brand. If you have difficulty locating the training button, reference your garage door opener manual, or call 1-800-355-3515.
- ❑ Press the training button on the garage door opener receiver for 1-2 seconds.
- ❑ Return to the HomeLink Transmitter in the vehicle, and depress the programmed HomeLink button for the duration of the rapid flash of the HomeLink's red light, (1-2 seconds). Release the button, and re-press the button to confirm that the HomeLink Transmitter has been trained to the receiver.
- ❑ Your garage door opener should now recognize your HomeLink Transmitter. You may use either your HomeLink Transmitter or your original hand-held transmitter to open your garage door.

If after following these suggestions you still have difficulties in programming your HomeLink Transmitter, call toll-free for customer assistance: 1-800-355-3515.

Erasing Channels

To erase all three programmed channels, hold down the two outside buttons until the red light begins to flash. Then release both buttons. Individual channels cannot be erased, but can be reprogrammed using the procedures for programming the HomeLink Transmitter, (steps 2 through 5).

NOTE: Be sure to retain your original transmitter for future programming procedures (i.e., new vehicle purchase).

DEP DEALER E-PROCESS

NOTE: When selling your vehicle, be sure to erase all channels on the HomeLink Transmitter that you programmed.

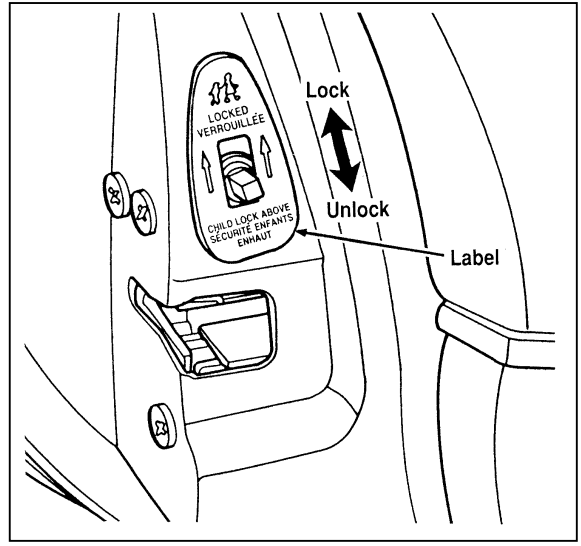
Accessories

Accessories for your HomeLink Universal Transmitter are available from the manufacturer of the device. If you would like additional information or would like to purchase other accessories such as home lighting or security products that can be operated by the HomeLink Universal Transmitter, please call toll-free: 1-800-355-3515.

Doors

Childproof Locks for the Rear Doors

In addition to power locks, your vehicle has childproof locks for the rear doors. If you set these locks, the rear doors cannot be opened from the inside of the vehicle. The doors can still be opened from the outside when the lock knobs are raised.



The childproof locks for the rear doors

DEP
DEALER E-PROCESS

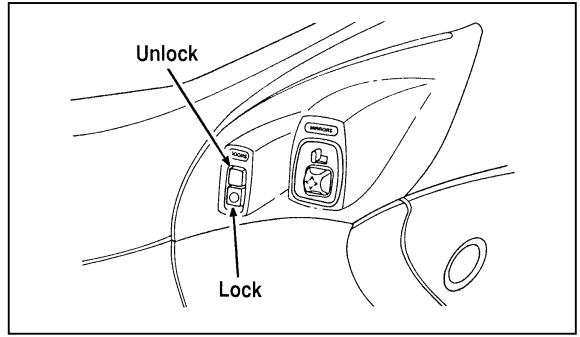
To set the childproof lock on each rear door, open the rear door.

Find the lever at the black label with the word LOCKED in white letters. Move the lever up.

To release the childproof lock, open the rear door from the outside and move the lever down.

Using the Power Door Locks

Your vehicle has power door locks. The controls to lock the doors are on the trim panel of the front door. When you close the doors after you set the door locks, the doors remain locked. If the power mechanism ever fails, the manual door lock will override the power controls.



The power locks on the driver's door

Illuminated Entry System with Theater Lighting

The interior lights will illuminate for approximately 25 seconds when any button on the keyless entry pad is pressed or the remote entry system UNLOCK button is pushed.

DEP
DEALER E-PROCESS

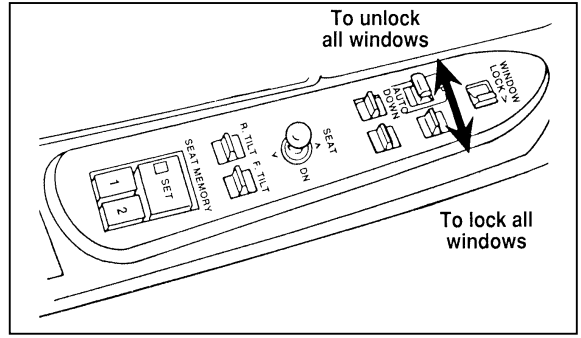
Using the Power Windows

Each door has a power control that opens and closes the window on that door. The driver's door has a master control panel that operates all four windows.

Power windows can only be opened or closed when the ignition is in the ON or ACC position or during the ten minute delayed accessory period after the ignition is turned off.

WARNING
Do not let children play with the power windows.

NOTE: Your vehicle is also equipped with a delayed accessory timer. This allows some of your accessories to remain on for up to 10 minutes after the key is turned to the OFF position. The accessory timer is cancelled if any door is opened or the key is turned to the ON position.



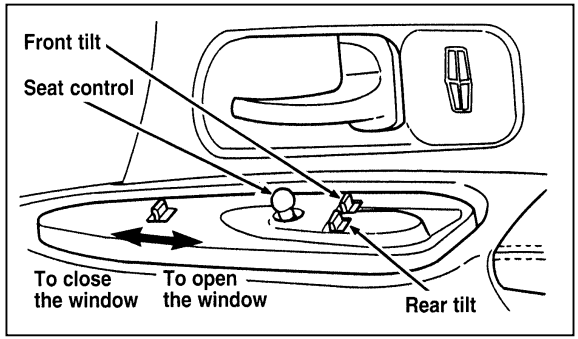
The master controls on the driver's door

To lockout all window switches except the master controls, move the window lock switch to the right. To restore control to the individual windows, move the switch to the left.

There is also an Express Down feature on the driver's power window.

DEP
DEALER E-PROCESS

To operate, briefly press the driver's window switch to the down position. The window will then open automatically. To stop automatic operation, briefly press the switch again to either the up or down position. More than a quick press of the switch provides conventional power window operation. Closing of the power window is conventional operation only.



The controls on the passenger's door

Programmable Memory — Seat and Mirrors (If equipped)

If your vehicle is equipped with this option, you can store settings for three seat and mirror positions. This allows you to get into your vehicle and simply push the preset button(s) to automatically have your seat and mirrors in the proper position.

1. Adjust your seat and outside mirrors to the desired position.
2. Press the "SET" button. A small lamp inside the button will light up. This tells you that you have five seconds to program your position.

DEP
DEALER E-PROCESS

3. Press “1” button within five (5) seconds. You now have set in memory the first position. Set the second position by adjusting the seat and mirrors, pressing the SET button and pushing the “2” button within five (5) seconds. A third position can be set in the same manner as above by pushing “1” and “2” buttons simultaneously.

To prevent accidental seat or mirror movement, this system will only recall a position when the transmission gearshift lever is in P (Park) or N (Neutral) with the engine either running or off. However, a new position can be set at any time. If the memory has been activated and you wish to stop the movement, push the switch again.

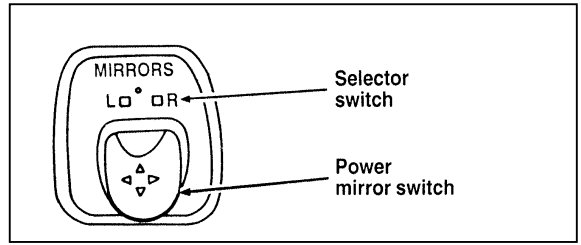
Moving the seat or mirrors with the power controls is possible even when memory positions have been set. The seat and mirrors will not automatically reposition until the memory position is activated by pushing the appropriate button(s).

Side View Mirrors

Your vehicle comes with electric side mirrors. The side view mirror on the right is a convex mirror. This mirror gives you a wider view of the lanes on your right and behind you.

WARNING

The right side view mirror makes objects appear smaller and farther away than they actually are.



The electric remote control mirror switch

DEP DEALER E-PROCESS

To adjust the side mirrors:

1. Find the control switch in the driver's door panel.
2. Select the right or left mirror by moving the selector switch to R or L.
3. Move the mirror switch in the direction you want to move the mirror.
4. Return the selector switch to the middle position to keep the mirror in place.

Do not clean the housing or glass of any mirror with harsh abrasives, fuel or other petroleum-based cleaning products.

Heated Mirror Feature

Both mirrors are heated whenever the Electric Rear Window Defroster is turned on. Do not remove ice from the mirrors with a scraper or you could damage them. If the outside mirror glass is frozen in place, do not attempt to readjust or move the mirror glass or damage may result.

Cellular Phone (If equipped)

For information about the cellular phone in your vehicle, refer to the *Cellular Phone User's Manual* provided with your phone. For further questions about your Lincoln cellular phone, contact the Ford Cellular System at 1-800-367-3013(U.S.). In Canada, please contact your dealer.

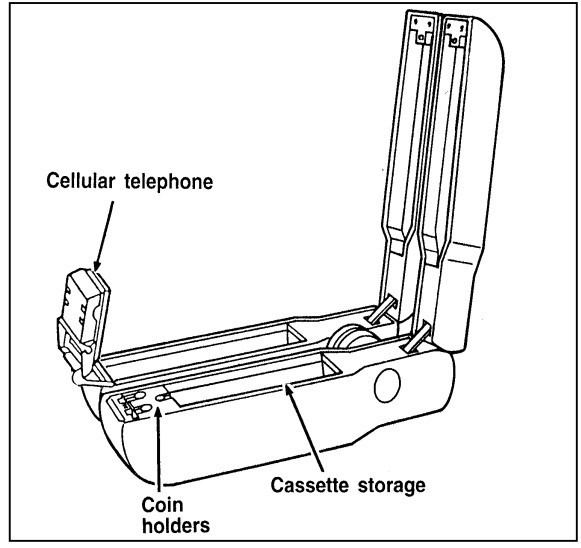
NOTE: It is recommended that you fold your cellular phone antenna down onto the back glass before entering a car wash.

Front Seat Dual Storage Armrests

Signature and Cartier Series vehicles have front seat dual storage armrests cassette storage and coin holder. An optional voice-activated cellular telephone handrest is available in the passenger armrest. (Instructions for cellular telephone are found in a separate manual.)

DEP
DEALER E-PROCESS

To open the lid, push in on the latch release bar at the front and raise.



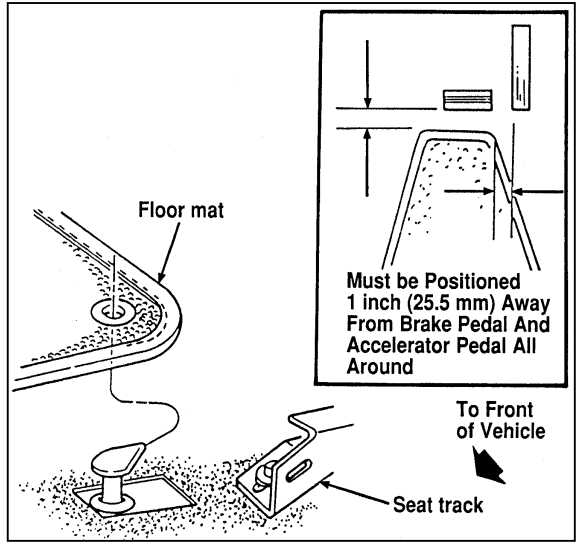
The features on the armrest

DEP DEALER E-PROCESS

Positive Retention Driver's Side Floor Mat

Installing the Floor Mat

Position the floor mat in foot well. Place mat eyelet over pointed end of retention post from the rear and rotate forward to install. Adjust floor mat position to allow proper operation of accelerator pedal and brake pedal.



The positive retention floor mat

DEP
DEALER E-PROCESS

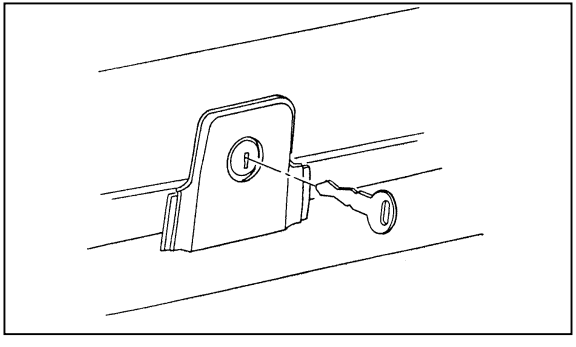
Removing the Floor Mat

Lift floor mat just forward of retention post and rotate rearward to disengage from retention post.

Trunk

Opening the Trunk Manually

To open and close the trunk from the outside:



The trunk lock cylinder

1. Insert the key into the lock on the trunk.
2. Turn the key to the right until the trunk opens.
3. Remove the key before you close and lock the lid.

DEP
DEALER E-PROCESS

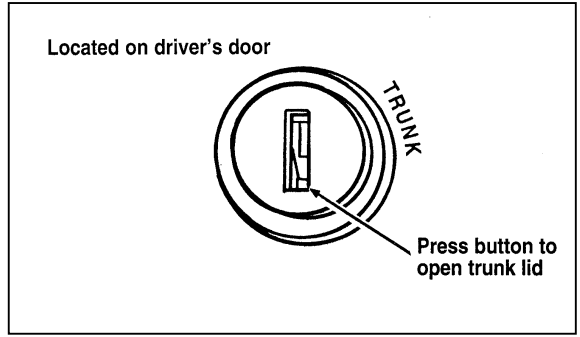
4. Shut the trunk lid by pushing on the top of the lid with enough pressure to allow the latch to engage.
5. The power mechanism will automatically pull down and securely latch the trunk lid shut. A slight whirring sound will be heard.

WARNING

Do not attempt to stop the automatic pulldown or clear objects from the sealing edges of the decklid once the initial latching has been made.

Using the Power Trunk Release

The remote trunk lock switch located in the driver's door trim panel can be operated at any time unless you render the switch inoperable by locking the button with your master key.



The remote control for the trunk

Keyless Entry System

You can lock or unlock the vehicle doors and open the trunk without using a key. The buttons for the system are below the outside door handle on the driver's side. See also *Remote Entry System* which follows this description.

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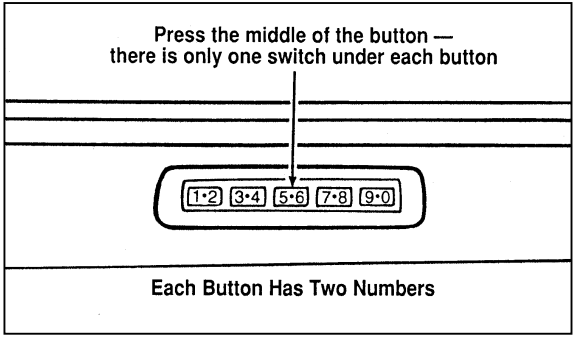

The keyless entry buttons

When you bought your vehicle, you were given a computer code that operates the system for your vehicle. For your convenience, we have duplicated this code in three places.

The code is:

- ❑ on your owner's wallet card found in the glove compartment
- ❑ taped to the trunk lid's right hinge support bar
- ❑ taped to the computer module in your driver's front door

When you use keyless entry, the illuminated entry system turns on the interior lights for 25 seconds and the buttons on the keypad light up. Do not push the buttons with a key, ballpoint pen, pencil, or any other hard object. These objects could damage the buttons.

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Unlocking the Doors with the Keyless Entry System

You must unlock the driver's door before you unlock any of the other doors or trunk. If you let more than five (5) seconds pass before pressing numbers, the system shuts down, and you have to enter the code again. The system has shut down if the keypad light is out. If the keyless entry system does not work properly, use the key or transmitter(s) to lock and unlock the doors or unlock the trunk.

1. To unlock the driver's door, enter the factory code or your personal code. All codes have five (5) numbers. After you press the fifth number, the driver's door unlocks.
2. To unlock all passenger doors, press the 3/4 button within five (5) seconds of unlocking the driver's door or trunk, or re-enter the code to open the driver's door, then press 3/4.
3. To unlock the trunk, press the 5/6 button within five seconds of unlocking the driver's or passenger's doors, or re-enter the code to open the driver's door, then press 5/6.

As long as the driver's door has been unlocked first, you can open the passenger door or the trunk in any order.

Locking the Doors with the Keyless Entry System

Along with unlocking your doors, you can use the keyless entry system to lock the doors.

To lock all of the vehicle's doors at the same time, press 7/8 and 9/0 at the same time. It is not necessary to first enter the keypad code. This will also arm your anti-theft system (if equipped).

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Autolock

The Autolock feature will automatically lock all the doors when:

- ❑ the vehicle's doors are fully closed
- ❑ the ignition key is turned to the ON position
- ❑ someone is sitting in the driver's seat or a heavy object is placed on it
- ❑ the vehicle is in any forward or reverse gear.

The Autolock feature will repeat when:

- ❑ the ignition key remains in the ON position
- ❑ someone remains sitting in the driver's seat or a heavy object is on the seat
- ❑ a door is opened and then closed
- ❑ the vehicle is in any forward or reverse gear.

If you do not want to use the Autolock feature, it can be deactivated by using the buttons for the keyless entry system.

To deactivate the Autolock system:

1. Enter your permanent five-digit entry code (not the personal code you may have set).
2. Within 5 seconds, press and hold 7/8.
3. Within 5 more seconds, press and release 3/4.
4. Release 7/8.

To reactivate the Autolock feature, simply repeat the instructions for deactivating the system. The Autolock feature can be turned on and off using the instructions above.

DEP DEALER E-PROCESS

Programming Your Own Entry Code

You can program up to four (4) personal codes to unlock your vehicle. This code does not replace the permanent code that the dealership gave you. Use your personal code in the same manner as you would your original code.

To program your own code:

1. Select five digits for your personal code.
2. Enter the factory code that the dealership gave you.
3. Within five (5) seconds, press 1/2.
4. Within five (5) seconds of pressing 1/2, enter your personal code, pressing each digit within five (5) seconds of the previous digit.
5. Enter a sixth digit to indicate which memory should be recalled by this personal code.

   1/2 Recall Memory 1

   3/4 Recall Memory 2

   5/6 Recall Memory 3

   9/0 No recall

   All of the vehicle doors will lock and then unlock to confirm programming of the new code.

The keyless entry system registers this new code. To open your vehicle, you can now use either code.

DEP
DEALER E-PROCESS

To erase all of the personal entry codes and remote entry transmitters programmed to a vehicle:

1. Enter the original permanent code.
2. Press 1/2 within five seconds of Step 1.
3. Press and hold 1/2 for two (2) seconds.

   All of the vehicle doors will lock and then unlock to confirm erasure.

Do not set a code that presents the numbers in sequential order, such as 1/2, 3/4, 5/6, 7/8, 9/0. Studies show that people who idly press the buttons usually press a sequential pattern. Also, do not select a code that uses the same button five times. Thieves can easily figure out these types of codes.

Arming, disarming and resetting your anti-theft system from the keyless entry pad

The Keyless Entry system will arm the anti-theft system when you use the 7/8 and 9/0 keys to lock the doors, and will disarm or reset a triggered anti-theft alarm when you enter in the five digit code to unlock the driver's door.

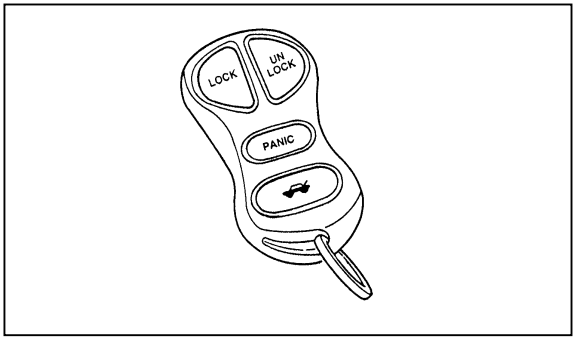
Remote Entry System

With the remote entry system, you can lock and unlock the vehicle doors and open the trunk without using a key. The buttons for the system are located on the two hand held transmitters that came with your vehicle. The remote also has a personal alarm feature.

The system will work with up to four transmitters. Your vehicle came with two transmitters. Additional transmitters can be ordered from your dealer.

DEP DEALER E-PROCESS

The remote entry features only operate with the transmission in the P (Park) or N (Neutral) position.



Remote entry transmitter

Unlocking the doors and opening the trunk

To unlock the driver's door, press the UNLOCK control.

To unlock the other doors, press the UNLOCK button a second time within five (5) seconds of unlocking the driver's door.

To open the trunk, press the TRUNK button twice within five (5) seconds.

Locking the doors

To lock all the doors, press the LOCK button. This will also arm the anti-theft system (if equipped).

The doors will lock and the horn will chirp to indicate the vehicle is locked and armed.

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DEALER E-PROCESS

The door lock Horn Chirp is a programmable feature. To deactivate the Horn Chirp feature:

1. Enter your permanent five-digit code (not the user code you may have set).
2. Within five seconds, press and hold the 7/8 button.
3. Within five more seconds, press and release the 1/2 button.
4. Release the 7/8 button.

To reactivate the Horn Chirp feature, simply repeat the instruction for deactivating the feature.

Activating the remote personal alarm

If you wish to activate the remote personal alarm, press the PANIC control. This will honk the horn and flash the parking lamps and tail lamps for approximately two minutes and forty-five seconds. You can turn it OFF by pressing the PANIC control again or by turning the ignition key to the RUN position.

Arming and Disarming the Alarm System

Your vehicle is equipped with the factory installed anti-theft system. The remote entry system will automatically arm it when the doors are locked with the remote entry LOCK button. The remote entry UNLOCK button will disarm or reset a triggered anti-theft alarm.

The remote entry system is designed to work with the factory installed anti-theft system. It may not work with other anti-theft systems.

When you use the remote entry UNLOCK, TRUNK or PANIC buttons, the illuminated entry system turns on the interior lights for 25 seconds. You can turn these lights off with the LOCK button or by turning the ignition to the RUN position.

DEP DEALER E-PROCESS

Memory Seat and Mirror Feature

❑ Remote Entry

Pressing the UNLOCK button on the remote entry key fob unlocks the driver's door and recalls all of the Memory settings. Two key fobs are delivered with the vehicle. One is programmed to always recall Memory 1 and the other will always recall Memory 2. Memory 1 or 2 is indicated on the back of the key fob.

Memory recall from the remote key fob can be disabled. This is done by sliding the switch on the back of the key fob to OFF. Memory can still be recalled using the keyless entry code or the Memory 1 or Memory 2 switches.

❑ Keyless Entry

Up to four unique keyless entry codes can be programmed by the customer. Three of the codes can be assigned to recall Memory 1, Memory 2, or Memory 3. Each time the five-digit code is entered on the keypad, the driver's door will unlock and Memory 1, Memory 2, or Memory 3 will be recalled.

❑ Memory Switches

Pressing either the Memory 1 or Memory 2 switch on the driver's door will also recall the memory settings as selected.

DEP
DEALER E-PROCESS

Replacing the Batteries

The remote entry transmitter is powered by two coin type three-volt lithium 1616 batteries (included) that should last for several years of normal use. If you notice a significant decrease in operating range, the batteries should be replaced. Replacement batteries can be purchased at most pharmacies, watch stores or at your Ford or Lincoln-Mercury dealer.

NOTE: The operating range of the remote entry system can also be affected by weather conditions (such as very cold temperatures) or structures around the vehicle (buildings, other vehicles, radio and TV towers, etc.). Typical operating range will allow you to be up to 33 feet (10 meters) away from your vehicle.

The transmitter can be snapped apart to replace the batteries by twisting a thin coin between the two halves of the transmitter. DO NOT TAKE THE FRONT PART OF THE TRANSMITTER APART.

When installing the new batteries, be sure to place the positive (+) side down as marked. Snap the two halves back together.

Replacement/additional transmitters

In the event a transmitter is lost, a new one may be purchased from your dealer. To program the new transmitter:

Additional transmitters may be purchased from your dealer (remote entry system will work with up to four transmitters). To program additional transmitters to your vehicle, use the following procedure for replacement transmitters.

1. Enter the factory keyless entry code. Your personal code will not allow programming.
2. Press the 1/2 button.

DEP DEALER E-PROCESS

3. Press one button on each of the transmitters to be programmed. Each transmitter button must be pressed within seven (7) seconds of the prior one. Each time a transmitter is successfully programmed, all of the vehicle doors will lock and then unlock to verify programming. If the doors did not lock/unlock, your transmitter was not programmed.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

NOTE: All transmitters to be used on your vehicle must be programmed/reprogrammed at the same time.

Battery Saver

When the ignition is turned off, the vehicle will turn off battery voltage to the vehicle lamps as follows:

- ❑ Courtesy lights (lights which come on when a door is opened): after 10 minutes.
- ❑ Map/Glove compartment/Trunk/Hook lamps: after 30 minutes.
- ❑ Headlamps and park lamps (only if headlamp switch is left in the headlamp position): after 10 minutes.

This will prevent draining of the battery if those lights have been left on inadvertently or if a door is not completely closed. Battery voltage to these lamps will be restored when the keyless entry keypad is used, the remote entry transmitter is used, any door is opened, the trunk is opened, or the ignition key is turned to the ON position.

DEP
DEALER E-PROCESS

Anti-theft System

When armed, this system helps protect your vehicle against break-ins or theft by monitoring all doors, the hood, and the trunk lock cylinder.

When an unauthorized entry occurs, the system triggers and will:

- ❑ flash the headlamps, parking lamps, interior lamps, and alarm indicator light
- ❑ honk the horn
- ❑ prevent the engine from starting

NOTE: The factory installed Remote Entry System has a PANIC feature that also chirps the vehicle horn and flashes the interior/exterior lamps when the PANIC button on the remote entry transmitter is pushed. The PANIC alarm and the Anti-Theft alarm are two separate features. Both the anti-theft alarm and the PANIC feature can be active at the same time.

To tell the difference between a PANIC alarm and a triggered Anti-Theft alarm:

- ❑ only the Anti-Theft alarm will cause the alarm indicator light (located in the center of the instrument cluster) to flash on and off.
- ❑ only the Anti-Theft alarm will prevent the engine from starting.

For more information on the PANIC alarm, see *Remote Entry System* in the Index.

Arming the System

To arm the system, do the following four steps in sequence.

1. Remove the key from the ignition.
2. Open any door. The alarm indicator light will start flashing to remind you to arm the system.

DEP DEALER E-PROCESS

3. Lock the doors by using the power door lock switch, pressing the remote entry transmitter LOCK button or pressing the last two buttons (7/8, 9/0) of the keyless entry keypad.

   The alarm indicator will now glow steadily.

4. Close all doors. The alarm indicator light will then remain on steadily for approximately 30 more seconds and then go out. When the light goes out the system is armed.

NOTE: Be sure to close all doors completely. If not, the alarm indicator light will remain on. Remember, your anti-theft system is armed only after the alarm indicator light remains on steadily for approximately 30 seconds after the last door is closed, and then goes out.

You can also arm the anti-theft system with the factory installed remote entry system or the keyless entry system by following this sequence:

1. Remove the key from the ignition.
2. Close all of the doors.
3. Press the remote entry transmitter LOCK button or press the last two buttons (7/8, 9/0) of the keyless entry keypad to lock the doors. The alarm indicator will come on for 30 seconds to show the alarm is arming and then turn off to show that the alarm has armed.

The anti-theft system is designed to work with the factory installed remote entry system. It may not work with other remote entry systems.

NOTE: The anti-theft system will not activate while someone is sitting in the driver's seat or if there is a heavy object in the driver's seat.

DEP
DEALER E-PROCESS

Disarming an Untriggered Anti-Theft System

You can disarm the system by:

- ❑ unlocking a front door with the key (turn the key all the way to the end of travel or the system will not disarm).
- ❑ using the keyless entry unlock code.
- ❑ using the UNLOCK button of the remote entry transmitter.

If you armed the system while inside your vehicle, you can disarm it by turning the ignition to the ON or ACC position. This allows you to open the door and exit without triggering the system.

Triggering the Alarm System

The armed system will be triggered if:

- ❑ any door is opened without disarming the system (see previous paragraphs), or
- ❑ there is an attempt to remove the trunk lock cylinder (simply pulling on the lock cylinder will trigger a switch), or

NOTE: You can open the trunk with your key without setting off the alarm.

- ❑ the hood is opened.

Disarming a Triggered System

The alarm can be disarmed by:

- ❑ unlocking a front door with the key
- ❑ using the keyless entry unlock code
- ❑ using the UNLOCK control on the remote entry transmitter

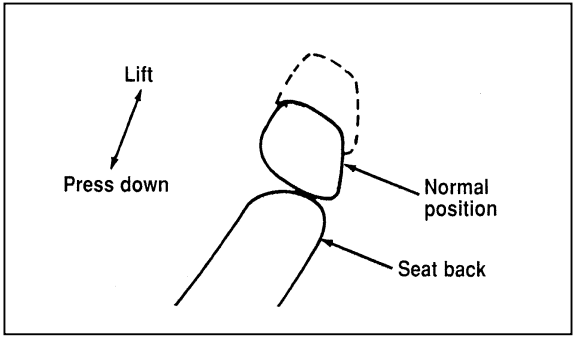
NOTE: The flashing lights and honking horn will shut off automatically approximately three minutes after the system is triggered. It will trigger again if another intrusion occurs. However, the engine will not be allowed to start until the system is disarmed.

DEP DEALER E-PROCESS

Seats

Head Restraints

If you use them properly, head restraints will help protect your head and neck in a collision.



Adjusting the head restraint

A head restraint should be placed as high as possible behind your head without interfering with your vision.

You can adjust the head restraints for your comfort and protection.

Four-way head restraints (if equipped)

Your vehicle may have the four-way head restraint. You can adjust it in four directions. You can raise it two (2) inches (50 mm) from its normal position, or you can move it forward up to 60˚ until you reach the desired position.

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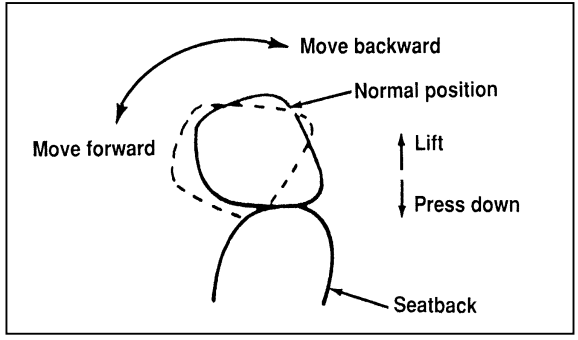


The four-way head restraint

Adjusting the Seats

WARNING

Never adjust the driver's seat or seatback when the vehicle is moving.

WARNING

Always drive and ride with your seatback upright and the lap belt snug and low across the hips.

WARNING

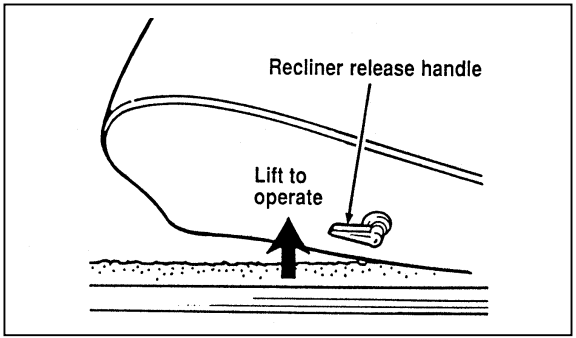
Do not pile cargo higher than the seatbacks to avoid injuring people in a collision or sudden stop.

To recline the front manual seats:

1. On the side of the seat, find the handle for the recliner.
2. Lift the handle up and hold it in place.
3. Lean against the back of the seat and adjust it to the position you want. You can tilt the seat back or bring it forward.

DEP DEALER E-PROCESS

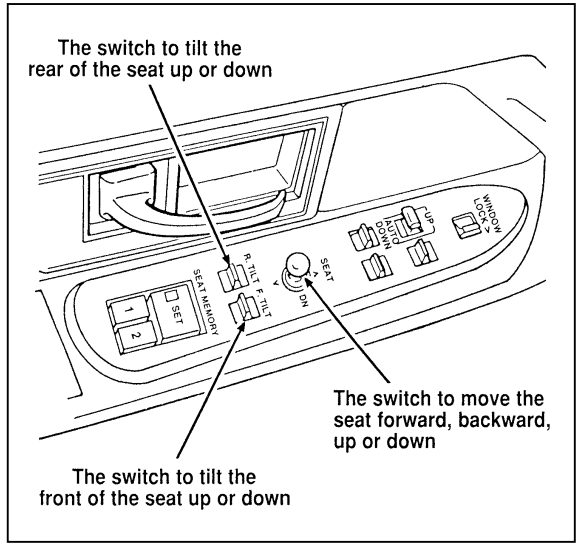
4. Release the handle to lock the seat in its new position.



The seatback recliner handle

Using the Power Seats

The controls to operate the power seats are located on the front door armrests.

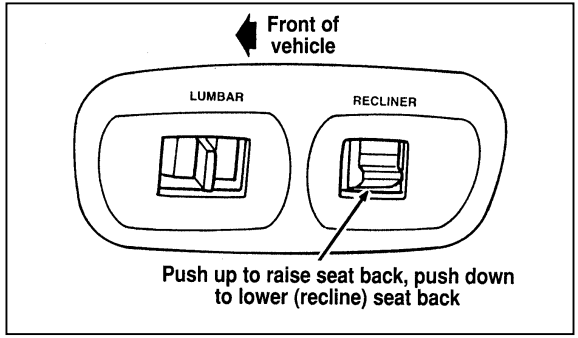


The power seat adjustment controls

DEP
DEALER E-PROCESS

Power Recliner (If equipped)

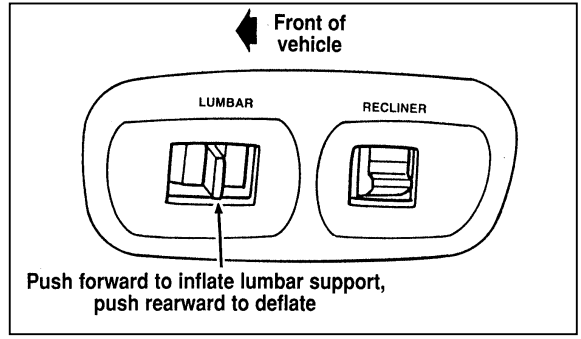
To recline the front seatback, push the switch located on the side of the seat down. Push the switch up to raise the seatback.



The seat controls for the power recliner adjustment on the driver's seat

Power Lumbar Support (If equipped)

With this feature, you can inflate a lumbar support pad in the seatback. To inflate the lumbar pad, push and hold the switch forward. To deflate the pad, push and hold the switch rearward.

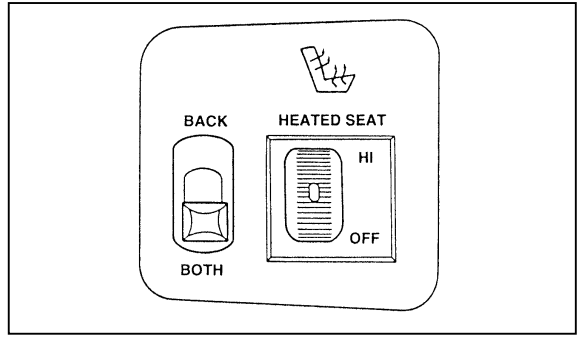


The seat controls for the lumbar support on the driver's seat

DEP DEALER E-PROCESS

Heated Seats (If equipped)

Each Heated Seat is controlled by the Heated Seat Switch in the Driver's and Front Passenger's door just rear of the door handle. The Heated Seat System will only operate with the ignition key in the "ON" position and will maintain a temperature automatically once it is selected. NOTE: Leaving the Heated Seat turned on when you shut the car off will not continue to heat the seat.



The heated seat controls

To operate the Heated Seat System:

1. Select mode.

❑ "Both" to heat the seat back and seat cushion

❑ "Back" to heat the seat back only

DEP
DEALER E-PROCESS

2. Rotate the thumbwheel from “0” to “1” (the lowest heat level). Allow five minutes for the heat level to stabilize.
3. If the heat level is not high enough for comfort, select increased heat levels “2” through “5” (the maximum level). Allow at least two minutes for the heat level to stabilize at any new level selected.
4. If the heated seat switch is not turned off (“0” on the thumbwheel), the seat will heat up to the selected temperature level each time the car is started.

NOTE: Cooling the seat down takes considerably longer than increasing its heat level.

Important Safety Belt Information

The use of safety belts helps to restrain you and your passengers in case of a collision. In most states and in Canada the law requires their use.

Safety belts provide best restraint when:

- ❑ the seatback is upright
- ❑ the occupant is sitting upright (not slouched)
- ❑ the lap belt is snug and low on the hips
- ❑ the shoulder belt is snug against the chest
- ❑ the knees are straight forward

To help you remember to fasten your safety belt, a warning light may come on and a chime may sound. See *Safety Belt Warning Light and Chime* in the *Instrumentation* chapter.

See the following sections in this chapter for directions on how to properly use these safety belts. Also see *Safety Restraints for Children* in this chapter for special instructions about using safety belts for children.

DEP DEALER E-PROCESS

WARNING

It is extremely dangerous to ride in a cargo area, inside or outside of a vehicle. In a collision, people riding in these areas are more likely to be seriously injured or killed. Do not allow people to ride in any area of your vehicle that is not equipped with seats and safety belts. Be sure everyone in your vehicle is in a seat and using a safety belt properly.

WARNING

Always drive and ride with your seatback upright and the lap belt snug and low across the hips.

WARNING

Each seating position in your vehicle has a specific safety belt assembly which is made up of one buckle and one tongue that are designed to be used as a pair. 1) Use the shoulder belt on the outside shoulder only. Never wear the shoulder belt under the arm. 2) Never swing it around your neck over the inside shoulder. 3) Never use a single belt for more than one person.

DEP
DEALER E-PROCESS

WARNING

Ford recommends that all safety belt assemblies and attaching hardware should be inspected by a qualified technician after any collision. Safety belt assemblies not in use during a collision should also be inspected and replaced if either damage or improper operation is noted.

WARNING

Children should always ride with the seatback in the fully upright position.

WARNING

Never let a passenger hold a child on his or her lap while the vehicle is moving. The passenger cannot protect the child from injury in a collision.

WARNING

Lock the doors of your vehicle before driving to lessen the risk of the door coming open in a collision.

Combination Lap and Shoulder Belts

While your vehicle is in motion, the combination lap and shoulder belt adjusts to your movement. However, if you brake hard, corner hard or if your vehicle receives an impact of 5 mph (8 km/h) or more, the lap and shoulder belt locks and helps reduce your forward movement.

After you get into your vehicle, close the door and lock it. Then adjust the seat to the position that suits you best.

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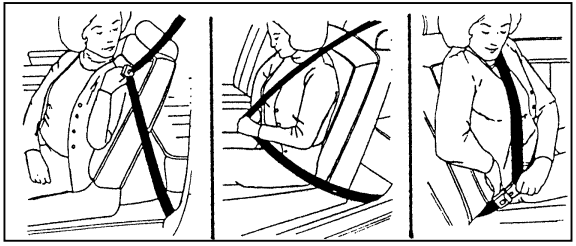
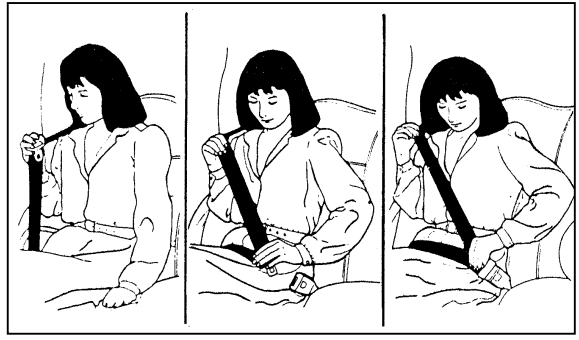


Fastening the combination lap and shoulder belt



Fastening the rear seat lap and shoulder belt

NOTE: Be sure to read and understand *Important Safety Belt Information* in this chapter.

To adjust the lap part of the belt, pull up on the shoulder belt until the lap belt fits snugly and as low as possible around your hips.

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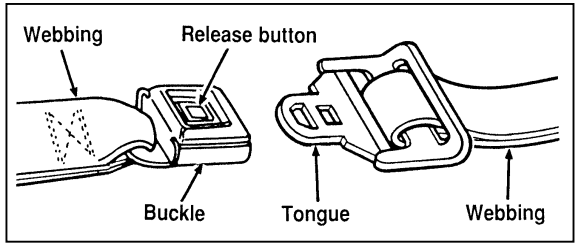
DEALER E-PROCESS

While the belt retracts, guide the tongue to its original position to prevent it from striking you or the vehicle.



Unfastening the lap/shoulder belts

Shoulder Belt Height Adjustment

Driver and right front passenger

You can adjust the shoulder belt height to one of five (5) positions. To adjust, pinch the release button (see Figures 1 and 2) and slide it up or down until the belt rests across the middle of your shoulder. Release the button and make sure the adjuster is firmly in one of the five (5) positions.

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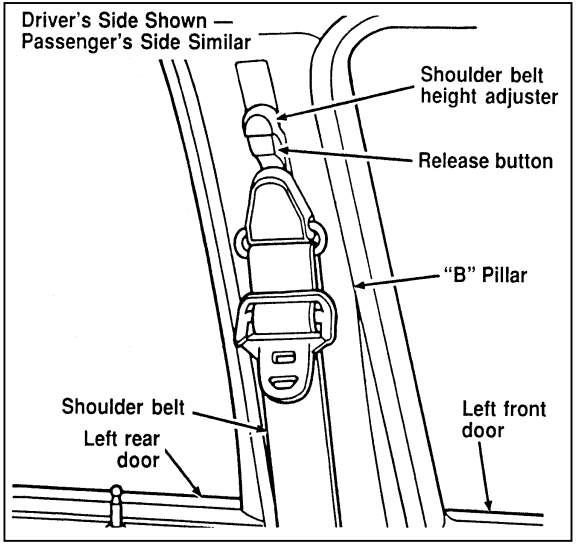


Figure 1 — The shoulder belt height adjuster

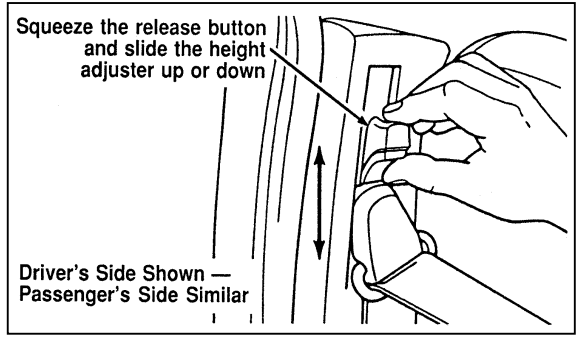


Figure 2 — The shoulder belt height adjuster

DEP
DEALER E-PROCESS

WARNING

Position the shoulder belt height adjuster so that the belt rests across the middle of your shoulder. Be sure the shoulder belt is properly positioned on your shoulder each time you use the belt. If the shoulder belt is off your shoulder, on your upper arm or neck, there is a greater risk of severe injury in a collision.

Safety Belts for the Front Passenger Outboard Seating Positions

Your vehicle is equipped with a dual locking mode retractor on the shoulder belt portion of the combination lap/shoulder safety belt for front seat passengers and a locking "cinch tongue" for rear outboard passengers.

Dual locking mode retractors operate in two ways:

Vehicle sensitive (emergency) locking mode

In this operating mode, the shoulder belt retractor will allow the occupant freedom of movement, locking tight only on hard braking, hard cornering or impacts of approximately 5 mph (8 km/h) or more. The retractor can also be made to lock by pulling the belt out quickly.

Automatic locking mode

In this operating mode, the shoulder belt retractor will be automatically locked and will remain locked when the combination lap/shoulder safety belt is buckled, and does not allow the occupant freedom of movement. This mode provides the following:

- ❑ A tight lap/shoulder belt on the occupant.
- ❑ Child seat installation restraint.

DEP DEALER E-PROCESS

WARNING

Rear-facing child seats or infant carriers should never be placed in the front seats.

This mode must be used when installing a child seat on the front pasenger seat and rear window seats where dual locking retractors are provided. To switch the retractor from the emergency locking mode to the automatic locking mode, perform the following steps:

1. Buckle the lap/shoulder combination belt.
2. Grasp the shoulder portion of the belt and pull downward until all of the belt is extracted and a click is heard. At this time, the retractor is in the automatic locking mode (child restraint mode).
3. A clicking sound will continue to be heard as the belt is allowed to retract.

NOTE: When the combination lap/shoulder belt is unbuckled and allowed to retract completely, the retractor will switch to the vehicle sensitive (emergency) locking mode. See the detailed instructions under *Safety Seats for Children* in this chapter.

Safety Belts with Locking Cinch Tongue for Rear Outboard Seating Positions

Your vehicle is equipped with safety seat belts containing a cinch tongue at the rear outboard seating positions.

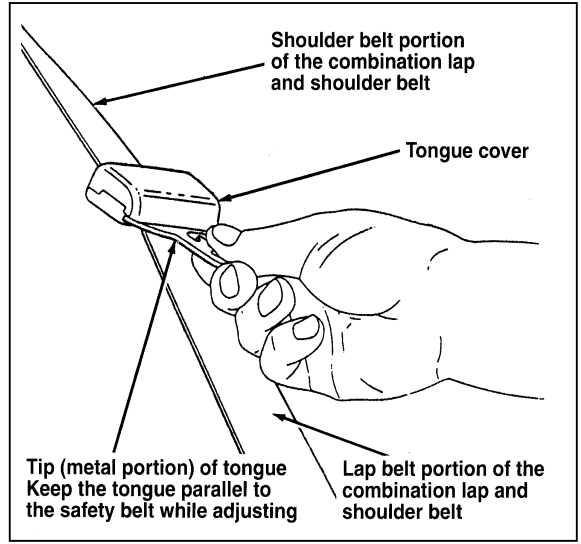
The locking cinch tongue will slide up and down the belt webbing when the belt is in the stowed position or while putting seat belts on. When the locking cinch tongue of the lap/shoulder

DEP DEALER E-PROCESS

combination seat belt is latched into the buckle, the cinch tongue will allow the lap portion to become shorter, but locks the webbing in place to restrict it from becoming longer.

Before you can reach and latch a combination lap and shoulder belt having a cinch tongue into the buckle, you may have to lengthen the lap belt portion of it. To lengthen the lap belt, pull some webbing out of the shoulder belt retractor. While holding the webbing below the tongue, grasp the tip (metal portion) of the tongue so that it is parallel to the webbing and slide the tongue upward. Provide enough lap belt length so that the tongue can reach the buckle.

NOTE: If you grasp the tongue by the tongue cover to lengthen the belt, the tongue cover will grab the webbing, making it difficult to slide.



Adjusting the cinch tongue rear combination lap and shoulder belt

DEP DEALER E-PROCESS

To fasten a cinch tongue, pull the combination lap and shoulder belt from the retractor so that the shoulder belt portion of the safety belt crosses your shoulder and chest. Be sure the belt is not twisted. If the belt is twisted remove the twist. Insert the belt tongue into the proper buckle for your seating position until you hear a snap and feel it latch. Make sure the tongue is securely fastened to the buckle by pulling on the tongue.

WARNING

The lap belts should fit snugly and as low as possible around the hips, not around the waist.

WARNING

Front and rear seat occupants, including pregnant women, should wear safety belts for optimum protection in an accident.

WARNING

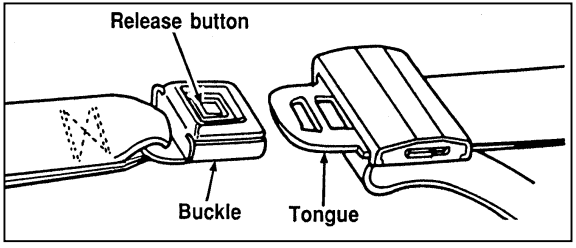
Each seating position in your vehicle has a specific safety belt assembly which is made up of one buckle and one tongue that are designed to be used as a pair. 1) Use the shoulder belt on the outside shoulder only. Never wear the shoulder belt under the arm. 2) Never swing it around your neck over the inside shoulder. 3) Never use a single belt for more than one person.

While you are fastened in the seat belt, the combination lap/shoulder belt with a cinch tongue adjusts to your movement. However, if you brake hard, turn hard, or if your vehicle receives an impact of 5 mph (8 km/h) or more, the safety belt will become locked and help reduce your forward movement.

DEP
DEALER E-PROCESS

Lap Belts

The lap belts in the center of the front and rear seats do not adjust automatically. You must adjust them to fit snugly and as low as possible around your hips. Do not wear them around your waist.



Unfastening center lap safety belts

NOTE: Be sure to read and understand ***Important Safety Belt Information*** in this chapter.

Pull the belt across your hips and **insert the tongue into the correct buckle** on your seat until you hear a snap and feel it lock. Make sure the buckle is securely fastened.

If you need to lengthen the belt, unfasten it and tip the belt tongue at a right angle to the belt. Pull the belt tongue over your lap until it reaches the buckle.

If you need to shorten the belt, pull on the loose end of the webbing until the belt fits snugly.

To unfasten the belt, push the release button on the buckle. This allows the tongue to unlatch from the buckle.

Safety Belt Extension Assembly

For some people, the safety belt may be too short even when it is fully extended. You can add about eight inches (20 cm) to the belt length with a safety belt extension assembly (part number 611C22). Safety belt extensions are available at no cost from your dealer.

DEP DEALER E-PROCESS

Use only extensions manufactured by the same supplier as the safety belt. Manufacturer identification is located at the end of the webbing on the label. Also, use the safety belt extension only if the safety belt is too short for you when fully extended. Do not use extension to change the fit of the shoulder belt across the torso.

WARNING

Failure to follow these instructions will affect the performance of the safety belts and increase the risk of personal injury.

Safety Belt Maintenance

Check the safety belt systems periodically to make sure that they work properly and are not damaged.

All safety belt assemblies, including retractors, buckles, front seat belt buckle support assemblies (slide bar) (if equipped), shoulder belt height adjusters (if equipped), child safety seat tether bracket assemblies (if equipped), and attaching hardware, should be inspected after any collision. Ford recommends that all safety belt assemblies used in vehicles involved in a collision be replaced. However, if the collision was minor and a qualified technician finds that the belts do not show damage and continue to operate properly, they do not need to be replaced. Safety belt assemblies not in use during a collision should also be inspected and replaced if either damage or improper operation is noted.

Air Bag Supplemental Restraint System (SRS)

Important Air Bag Precautions

Your vehicle is equipped with a supplemental restraint system designed to work with the safety belts to help protect you and your right front seat passenger in the event of a collision. The Air Bag Supplemental Restraint System is primarily designed to reduce certain upper body injuries.

DEP DEALER E-PROCESS

WARNING

All occupants of the vehicle, including the driver, should always wear their safety belts, failure to do so may increase the risk of personal injury in the event of a collision.

WARNING

The right front passenger air bag is not designed to restrain occupants in the center front seating position.

WARNING

Do not place objects or mount equipment on or near the air bag covers that may come into contact with an inflating air bag. Failure to follow these instructions may increase the risk of personal injury in the event of a collision.

WARNING

Do not attempt to service, repair, or modify the air bag Supplemental Restraint System or its fuses. See your Ford or Lincoln-Mercury dealer.

DEP DEALER E-PROCESS

WARNING

If you are close to an inflating air bag, it could seriously injure you. Position your seat such that it is as far back from the steering wheel as possible but still allows you to properly control the vehicle.

Children and Air Bags

NOTE: For additional important safety information on the proper use of seat belts, child seats, and infant seats, please read the entire Safety Restraints section in this owner guide.

WARNING

Children should always wear their safety belts. Failure to follow these instructions may increase the risk of personal injury in the event of a collision.

WARNING

Rear-facing child seats and infant carriers should never be placed in the front seats.

How Does the Air Bag Supplemental Restraint System Work?

The Air Bag Supplemental Restraint System is designed to activate when the vehicle is in a collision similar to hitting a fixed barrier head on at 8-14 mph (13-23 km/h). The fact that the air bags did not inflate in a collision does not mean that something is wrong with the system. Rather, it means the forces were not of the type sufficient to cause acitivation.

If the vehicle is in a moderate or severe frontal collision, the system is activated and the air bags inflate rapidly. After the air bag inflates, it will quickly deflate. After the air bag deployment, you may notice a smoke-like, powdery residue or smell

DEP DEALER E-PROCESS

the burnt propellant. This is normal. The residue may consist of cornstarch or talcum powder (which is used to lubricate the air bag) or sodium compounds, such as sodium carbonates (e.g. baking soda) that result from the combustion process that inflates the air bag. Small amounts of sodium hydroxide may be present which may irritate the skin and eyes, but none of the residue is toxic. The Air Bag Supplemental Restraint System will reduce, but not eliminate all injuries in an accident.

WARNING

Several air bag system components get hot after inflation. Do not try to touch them after inflation.

WARNING

The air bag will inflate only once. The system is designed to function on a one-time-only basis. If the air bag is inflated, THE AIR BAG WILL NOT FUNCTION AGAIN AND MUST BE REPLACED IMMEDIATELY. If the air bag is not replaced, this will increase the risk of injury in a subsequent collision.

DEP DEALER E-PROCESS

The Air Bag Supplemental Restraint System consists of:

- ❑ driver and passenger air bag modules (which include the inflators and air bags),
- ❑ one or more impact and safing sensors,
- ❑ a system diagnostic module,
- ❑ a readiness light and tone,
- ❑ and the electrical wiring which connects the components.

The diagnostic module monitors its own circuits, the air bag electrical system, the air bag readiness light, the air bag power, and the air bag inflators.

Determining if System Is Operational

The Air Bag Supplemental Restraint System uses a readiness light and a tone to indicate the condition of the system. The readiness light is in the instrument cluster. When you turn the ignition key to ON, this light will illuminate for approximately six (6) seconds and then turn off. This indicates that the system is operating normally. NOTE: Routine maintenance of the air bag system is not required.

A problem with the system is indicated by one or more of the following:

- ❑ the readiness light will either flash or stay lit,
- ❑ the readiness light will not light immediately after ignition is turned on,
- ❑ a group of five beeps will be heard. The tone pattern will repeat periodically until the problem and light are repaired.

If any of these things happen, even intermittently, have the Air Bag Supplemental Restraint System serviced at your Ford or Lincoln-Mercury dealer immediately. Unless serviced, the system may not function properly in the event of a collision.

DEP
DEALER E-PROCESS

Disposal of Air Bags and Air Bag Equipped Vehicles

For disposal of air bags or air bag equipped vehicles, see your local Ford or Lincoln-Mercury dealer. Air bags MUST BE disposed of by qualified personnel.

Safety Restraints for Children

In the U.S. and Canada, you are required by law to use safety restraints for children. If small children ride in your vehicle — this generally includes children who are four years old or younger and who weigh 40 pounds (18 kg) or less — you must put them in safety seats that are made specially for children. Safety belts alone do not provide maximum protection for these children. Check your local and state laws for specific requirements.

WARNING

Never let a passenger hold a child on his or her lap while the vehicle is moving. The passenger cannot protect the child from injury in a collision.

WARNING

Cargo should always be secured to prevent it from shifting and causing damage to the vehicle or harm to passengers.

When possible, put children in the rear seat of your vehicle. Accident statistics suggest that children are safer when properly restrained in the rear seating positions than in the front seating positions.

DEP DEALER E-PROCESS

WARNING

Carefully follow all of the manufacturer's instructions included with the safety seat you put in your vehicle. If you do not install and use the safety seat properly, the child may be injured in a sudden stop or collision.

WARNING

Safety belts and seats can become hot in a vehicle that has been closed up in sunny weather; they could burn a small child. Check seat covers and buckles before you place a child anywhere near them.

WARNING

Do not leave children, unreliable adults, or pets unattended in your vehicle.

Safety Seats for Children

Use a safety seat that is recommended for the size and weight of the child. Always follow the safety seat manufacturer's instructions when installing and using the safety seat.

Ford recommends the use of a child safety seat having a top tether strap. Install the child safety seat in a seating position which is capable of providing a tether anchorage. For more information on top tether straps see *Attaching Safety Seats With Tether Straps* in this chapter.

When installing a child safety seat, be sure to use the correct safety belt buckle for that seating position, and make sure the tongue is securely fastened in the buckle. For a shoulder/lap belt combination with a sliding tongue, make sure the retractor is in the automatic locking mode.

DEP
DEALER E-PROCESS

WARNING

Rear-facing child seats or infant carriers should never be placed in the front seats.

WARNING

When using forward-facing child seats move the passenger seat as far back from the instrument panel as possible. Never secure rear-facing child seats or infant carriers in the front seat.

All child restraint systems are designed to be secured in vehicle seats by lap belts or by the lap portion of a lap-shoulder belt.

WARNING

If you do not properly secure the safety seat, the child occupying the seat may be injured during a collision or sudden stop. An unsecured safety seat could also injure other passengers.

WARNING

Carefully follow all of the manufacturer's instructions included with the safety seat you put in your vehicle. If you do not install and use the safety seat properly, the child may be injured in a sudden stop or collision.

DEP DEALER E-PROCESS

WARNING

Carefully follow all of the manufacturer's instructions included with the safety seat you put in your vehicle. If you do not install and use the safety seat properly, the child may be injured in a sudden stop or collision.

Installing Safety Seats in the Front Outboard Passenger Seating Position

If you choose to install a forward-facing child safety seat in the front seating positions, move vehicle seat as far back as possible.

For seating positions equipped with a dual-locking mode retractor, use the following procedure:

1. Position the child seat in center of passenger seating position.
2. Pull down on shoulder belt, then grasp shoulder belt and lap belt together. See Figure 1.

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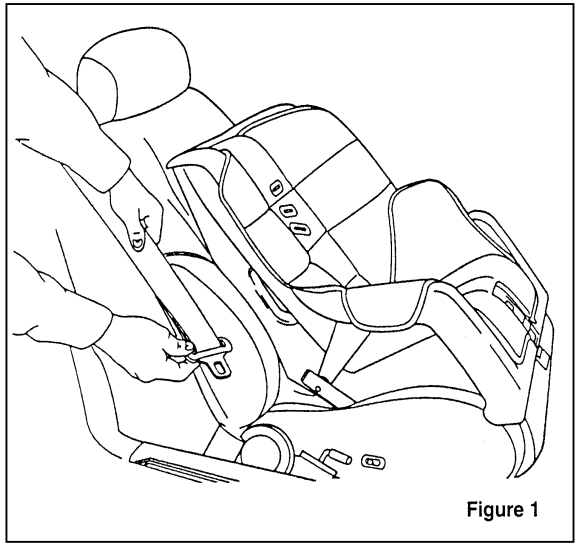

Figure 1

3. While holding the shoulder and lap belt portions together, route the tongue through the child seat according to the child seat manufacturer's instructions. See Figure 2. Be sure that the belt webbing is not twisted.

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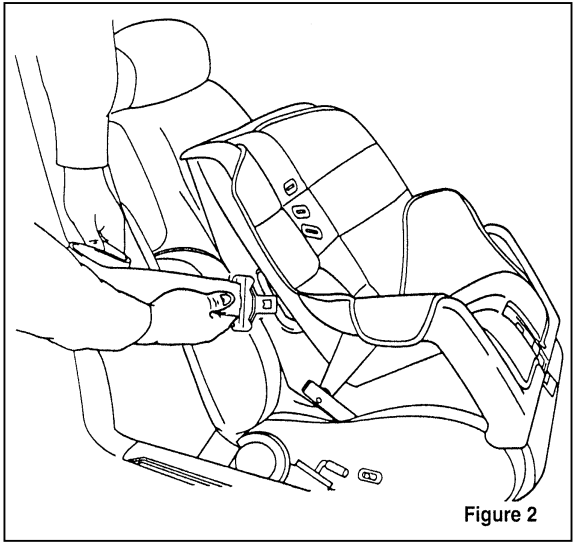
DEALER E-PROCESS



Routing the lap/shoulder belt

4. Insert the belt tongue into the proper buckle for that seating position until you hear and feel the latch engage. See Figure 3. Make sure tongue is latched securely to buckle by pulling on tongue.

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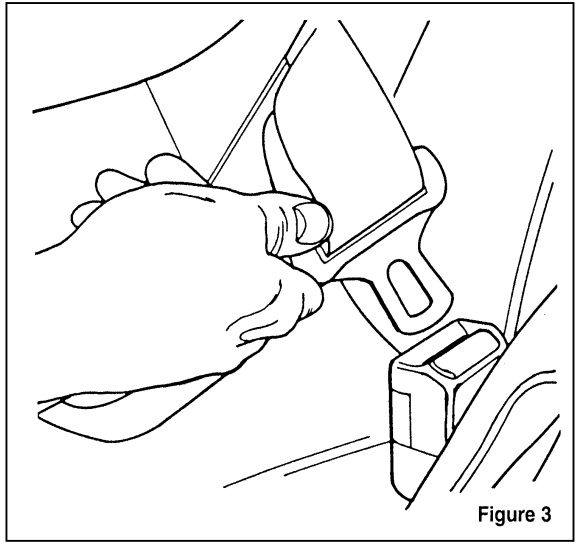
DEALER E-PROCESS



Buckling the belt.

5. Grasp the shoulder portion of the belt and pull downward until all of the belt is extracted and a click is heard. At this time, the retractor is in the automatic locking mode (child restraint mode). See Figure 4.

NOTE: The dual locking mode retractor must be in the automatic locking mode to properly restrain a child seat.

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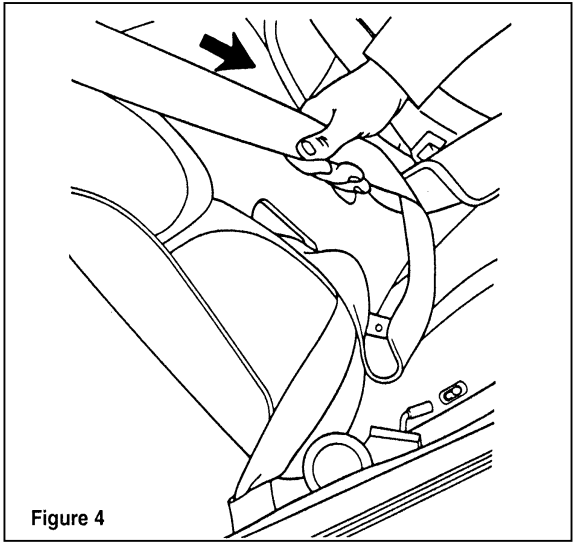
DEALER E-PROCESS



Setting the retractor to automatic locking mode

6. Allow the belt to retract. A clicking sound will be heard as the belt retracts. This indicates the retractor is in the automatic locking mode. Pull on the lap belt portion across the child seat towards the buckle and continue to pull up on the shoulder belt portion while pushing down on the child seat allowing the shoulder belt to retract to remove any slack in the seat belt. See Figures 5 and 6.

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DEALER E-PROCESS

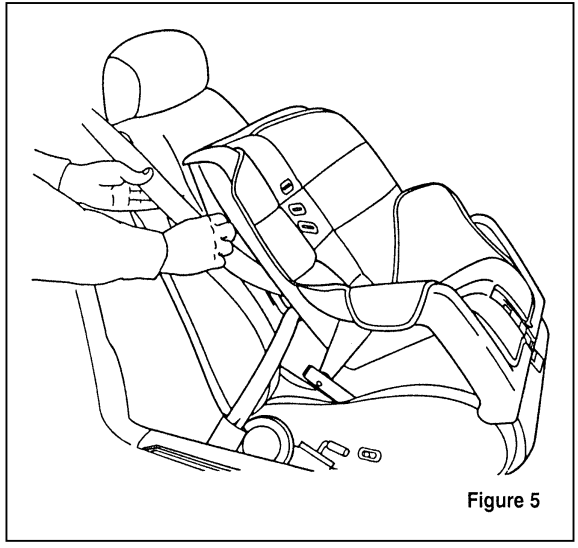

Figure 5

Figure 6

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DEALER E-PROCESS

7. Before placing the child in the child seat, forcibly tilt the seat from side to side and in forward directions to make sure that the seat is securely held in place. See Figure 7.

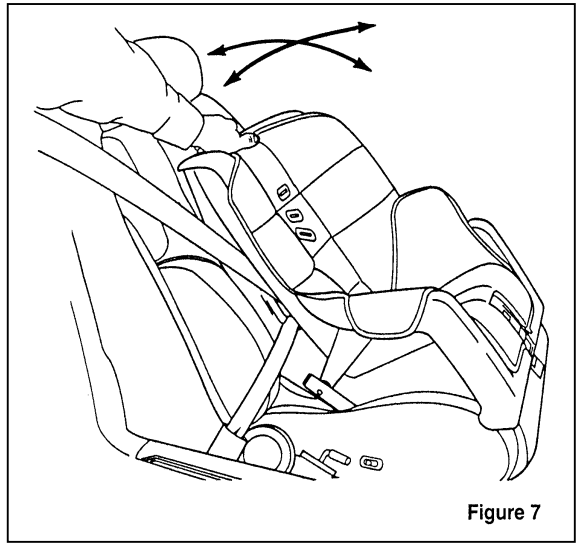
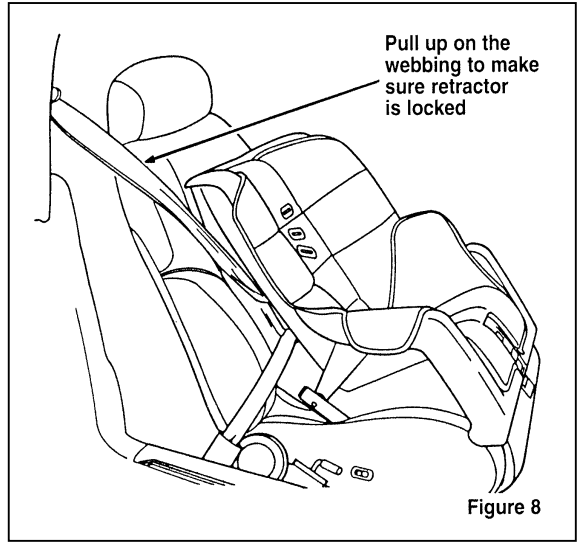


Figure 7

Checking that the seat is secure

DEP
DEALER E-PROCESS

8. Double check that the retractor is in the automatic locking mode. Try to pull more belt out of the retractor. If you cannot, the belt is in the automatic locking mode. See Figure 8.



Checking the retractor

DEP DEALER E-PROCESS

9. Check to make sure that the child seat is properly secured prior to each use. If the retractor is not locked, repeat steps 6 through 8.

NOTE: To remove the retractor from automatic lock mode, allow seat belt to retract fully to its stowed position and the retractor will automatically switch back to the vehicle sensitive locking mode for normal adult usage.

Installing Child Safety Seats in the Rear Outboard Seating Positions

Your rear outboard seating positions are equipped with a cinch tongue on the safety belts. Use the following procedure for installing a child safety seat in these locations.

1. Grasp the belt webbing below the tongue and pull as much of the belt out of the retractor as possible. Hold the belt out. See Figure 1.

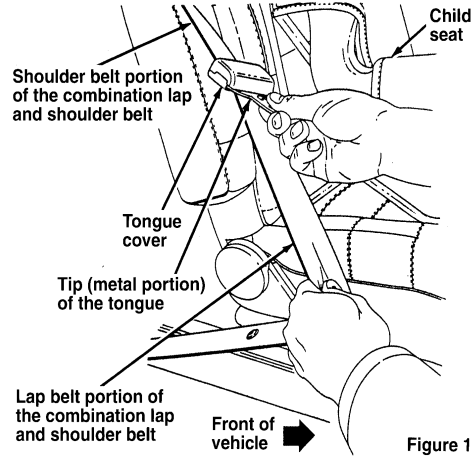


Figure 1

DEP
DEALER E-PROCESS

NOTE: The belt webbing below the tongue is the lap belt portion of the combination lap/shoulder belt, and the belt webbing above the tongue is the shoulder belt portion of the combination lap/shoulder belt.

2. With your other hand, grasp the tip (metal portion) of the tongue (not the cover) and slide the tongue up the webbing as far as it will go. See Figure 1. Release the tongue, but do not let go of the lap portion of the belt webbing.
3. While still holding the belt webbing below the tongue in one hand, use your other hand to grasp the tip (metal portion) of the tongue and belt webbing together, and again pull out as much of the belt as possible. Then, let go of the lap portion of the belt webbing.
4. While holding the shoulder and lap belt portions together, route the tongue and webbing through the child seat according to the child seat manufacturer's instructions. See Figure 2. Be sure that the belt webbing is not twisted.

DEP DEALER E-PROCESS

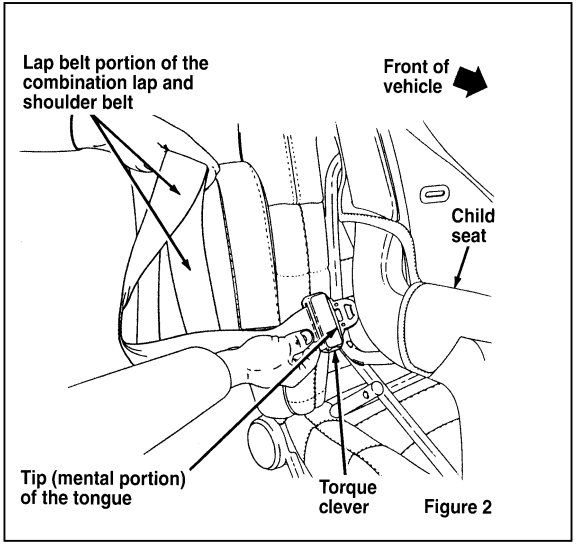


Figure 2

5. Insert the belt tongue into the proper buckle for that seating position until you hear a snap and feel it latch. Make sure the tongue is securely latched to the buckle by pulling on the tongue. See Figure 3.

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DEALER E-PROCESS

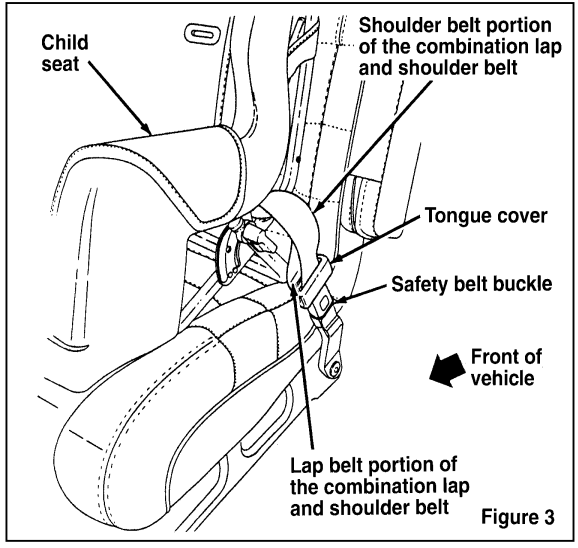

Figure 3

6. Push down on the child seat and pull up on the shoulder belt portion to tighten the lap belt portion of the combination lap and shoulder belt. See Figure 4.

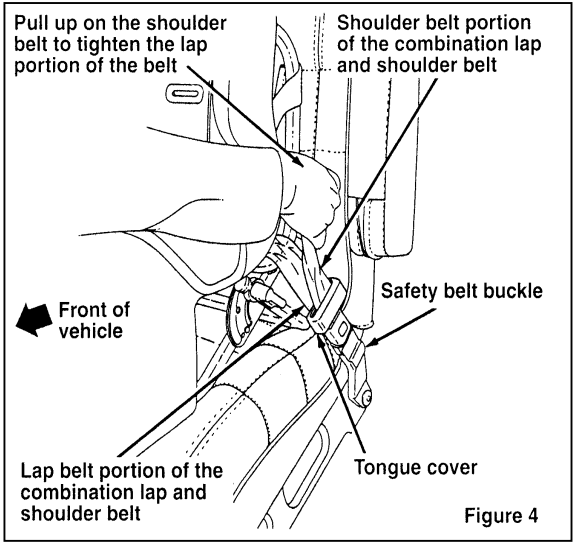

Figure 4

7. Grasp belt close to child seat and pull on the shoulder belt portion of the combination lap/shoulder belt, then allow the belt to retract and remove all slack to securely tighten the child safety seat in the vehicle. See Figure 5.

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DEALER E-PROCESS

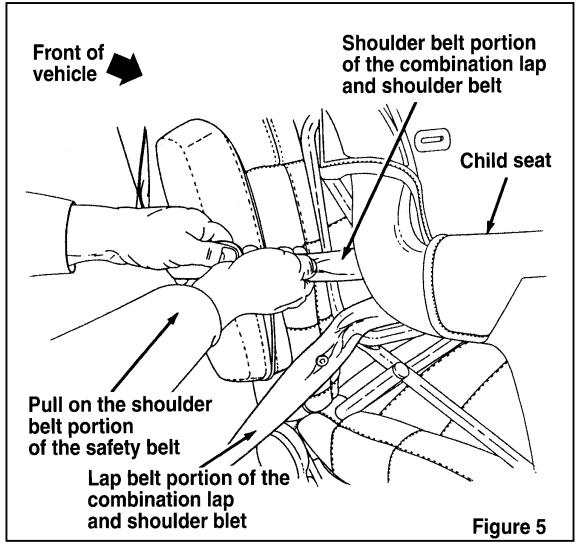

Figure 5

8. Before placing the child into the child seat, forcibly tilt the child seat from side-to-side and in forward directions to make sure that the seat is held securely in place. See Figures 6 and 7. If the child seat moves excessively, repeat steps 6 through 8, or properly install the child seat in a different seating position.

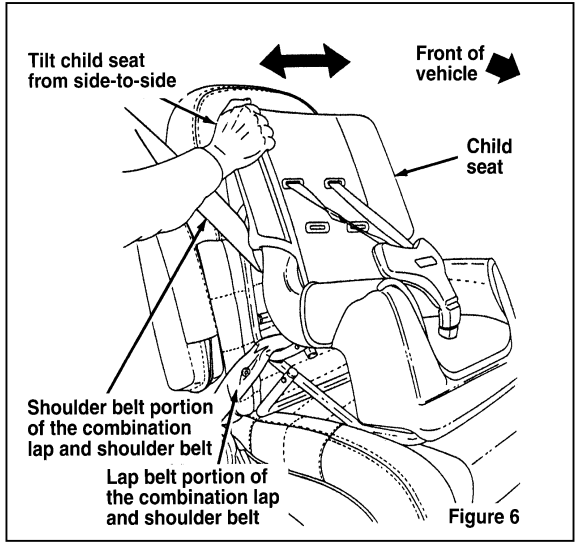

Figure 6

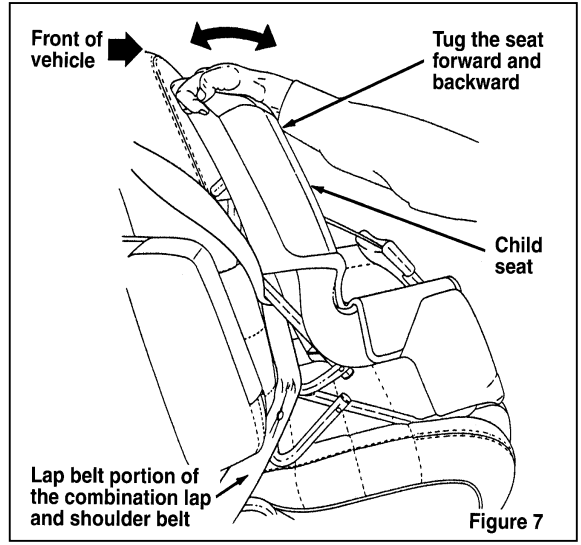

Figure 7

DEP
DEALER E-PROCESS

9. Check from time to time to be sure that there is no slack in the lap/shoulder belt. The shoulder belt must be snug to keep the lap belt tight during a collision.

Attaching Safety Seats With Tether Straps

Some manufacturers make safety seats that include a tether strap that goes over the back of the vehicle seat and attaches to an anchoring point. Other manufacturers offer the tether strap as an accessory. Contact the manufacturer of your child safety seat for information about ordering a tether strap.

Tether anchorage hardware

Attachment holes (at each rear outboard seating position) have been provided in your vehicle to attach anchor hardware, if required. Tether anchor hardware kits (part number 613D74), including instructions, may be obtained at no charge from any Ford or Lincoln-Mercury dealer. All vehicles built for sale in Canada include a tether anchor hardware kit.

Safety Belts for Children

Children who are too large for child safety seats should always wear safety belts. (See instructions with your child seat, or contact its manufacturer, to determine maximum size of child that will safely fit in the seat.)

WARNING

If safety belts are not properly worn and adjusted as described, the risk of serious injury to the child in a collision will be much greater.

If the shoulder belt portion of the lap/shoulder belt can be positioned so that it does not cross or rest in front of the child's face or neck, the child should wear the lap/shoulder belt. Moving the child closer

DEP DEALER E-PROCESS

to the seat belt buckle may help provide a good shoulder belt fit.

To improve the fit of lap and shoulder belts on children who have outgrown child safety seats, Ford recommends use of a belt-positioning booster seat that is labelled as conforming to all Federal motor vehicle safety standards. Belt-positioning booster seats raise the child and provide a shorter, firmer seating cushion that encourages safer seating posture and better fit of lap and shoulder belts on the child. A belt-positioning booster should be used if the shoulder belt rests in front of the child's face or neck, or if the lap belt does not fit snugly on both thighs, or if the thighs are too short to let the child sit all the way back on the seat cushion when the lower legs hang over the edge of the seat cushion. You may wish to discuss the specific needs of your child with your pediatrician.

WARNING

Do not use a belt-positioning booster with a lap-only belt.

Lap belts and the lap belt portion of lap and shoulder belts should always be worn snugly and below the hips, touching the child's thighs.

WARNING

Children should always ride with the seatback in the fully upright position.

DEP
DEALER E-PROCESS

Fuel-Injected Engines

When starting a fuel-injected engine, the most important thing to remember is to avoid pressing down on the accelerator before or during starting. Only use the accelerator when you have problems getting your vehicle started. See *Starting Your Engine* in this chapter for details about when to use the accelerator while you start your vehicle.

Starting Your Vehicle

Preparing to Start Your Vehicle

WARNING

Do not start your vehicle in a closed garage or in other enclosed areas. Exhaust fumes can be toxic. Always open the garage door before you start the engine.

Before you start your vehicle, do the following:

1. Make sure all occupants in the vehicle buckle their safety belts. See *Safety Restraints* in the Index for more details.
2. Make sure the headlamps and other accessories are turned off when starting.

DEP DEALER E-PROCESS

3. Make sure that the gearshift is in P (Park) and the parking brake is set before you turn the key.

Before you start your vehicle, you should test the warning lights on the instrument panel to make sure that they work. Refer to the *Instrumentation* chapter.

Starting Your Engine

To start your engine:

1. Follow the steps under *Preparing to Start Your Vehicle* at the beginning of this section.
2. Turn the ignition key to the ON position.
3. DO NOT depress the accelerator pedal when starting your engine. DO NOT use the accelerator while the vehicle is parked.
4. Turn the key to the START position (cranking) until the engine starts. Allow the key to return to the ON position after the engine has started.

   If you have difficulty in turning the key, rotate the steering wheel slightly because it may be binding.

   For a cold engine:

- ❑ At temperatures 10˚F (-12˚C) and below: If the engine does not start in fifteen (15) seconds on the first try, turn the key to OFF, wait approximately ten (10) seconds so you do not flood the engine, then try again.
- ❑ At temperatures above 10˚F (-12˚C): If the engine does not start in five (5) seconds on the first try, turn the key to OFF, wait approximately ten (10) seconds so you do not flood the engine, then try again.

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For a warm engine:

- ❑ Do not hold the key in the START position for more than five (5) seconds at a time. If the engine does not start within five (5) seconds on the first try, turn the key to the OFF position. Wait a few seconds after the starter stops, then try again.

  Whenever you start your vehicle, release the key as soon as the engine starts. Excessive cranking could damage the starter.

  After you start the engine, let it idle for a few seconds. Keep your foot on the brake pedal and put the gearshift lever in gear. Release the parking brake. Slowly release the brake pedal and drive away in the normal manner.

  NOTE: Your vehicle has an interlock that prevents you from shifting out of P (Park) unless your foot is on the brake pedal.

If the engine does not start after two attempts:

1. Turn the ignition key to the OFF position.
2. Press the accelerator all the way to the floor and hold it.
3. Turn the ignition key to the START position.
4. Release the ignition key when the engine starts.
5. Release the accelerator gradually as the engine speeds up.

   If the engine still does not start, the fuel pump shut-off switch may have been activated. For directions on how to reset the switch see *Fuel Pump Shut-Off Switch* in the index.

DEP
DEALER E-PROCESS

A computer system controls the engine's idle speed. When you start your vehicle, the engine's idle speed normally runs higher than when it is warmed up. These faster engine speeds will make your vehicle move slightly faster than its normal idle speed. It should, however, slow down after a short time. If it does not, have the idle speed checked.

If the engine idle speed does not slow down automatically, do not allow your vehicle to idle for more than 10 minutes. Have the vehicle checked.

WARNING

Extended idling at high engine speeds can produce very high temperatures in the engine and exhaust system, creating the risk of fire or other damage.

WARNING

Do not park, idle, or drive your vehicle in dry grass or other dry ground cover. The emission system heats up the engine compartment and exhaust system, which can start a fire.

Engine Block Heater (If equipped)

Engine block heaters are strongly recommended if you live in a region where temperatures reach -10˚F (-23˚C) or below. An engine block heater warms the engine coolant, which improves starting, warms up the engine faster, and allows the heater-defrost system to respond quickly.

To turn the heater on, simply plug it into a grounded 110-volt outlet. Ford recommends that you use a 110-volt circuit that is protected by a ground fault circuit interrupter.

DEP DEALER E-PROCESS

WARNING

To prevent electrical shock, do not use your heater with ungrounded electrical systems or two-pronged (cheater) adapters.

For best results, plug the heater in at least three hours before you start your vehicle. Using the heater for longer than three hours will not damage the engine, so you can plug it in at night to start your vehicle the following morning.

Pushing

Vehicles with automatic transmissions cannot be started by pushing. Follow the directions under *If Your Vehicle Needs a Jump-Start* in the *Roadside Emergencies* Chapter.

Guarding Against Exhaust Fumes

Carbon monoxide, although colorless and odorless, is present in exhaust fumes. Take precautions to avoid its dangerous effects.

WARNING

Do not start your vehicle in a closed garage or in other enclosed areas. Exhaust fumes can be toxic. Always open the garage door before you start the engine.

WARNING

If you smell exhaust fumes inside your vehicle, have your dealer inspect your vehicle immediately. Do not drive if you smell exhaust fumes.

DEP DEALER E-PROCESS

Have the exhaust and body ventilation systems checked whenever:

- ❑ your vehicle is raised for service
- ❑ the sound of the exhaust system changes
- ❑ your vehicle has been damaged in a collision

Improve your ventilation by keeping all air inlet vents clear of snow, leaves, and other debris.

If the engine is idling while you are stopped in an open area for long periods of time, open the windows at least one inch (2.5 cm). Also, adjust the heating or air conditioning system to bring in outside air.

If you use the Electronic Automatic Climate Control, set the fan speed selector dial to a medium or high blower speed with the VENT or FLR & DEF function buttons pressed.

DEP
DEALER E-PROCESS

Brakes

Applying the Brakes

Your vehicle has anti-lock disc brakes on all four wheels. They adjust automatically as the brake pads wear down.

When you press down hard on the brake pedal, the wheels will not lock and slide. The Anti-lock Brake System (ABS) automatically starts releasing and reapplying the front brakes independently and the rear brakes together whenever your wheels start to lock. When this happens, you will feel the brake pedal pulsate. This is an indication that the ABS is working correctly and is normal.

Do not drive with your foot resting on the brake pedal; you will wear out the linings and increase your vehicle's stopping distance. Brake rotor damage may also eventually occur.

NOTE: If you are driving down a long or steep hill, shift to a lower gear and do not apply your brakes continuously. If you apply your brakes continuously, they may overheat and become less effective.

Occasional brake squeal during light to moderate stops does not affect the function of the brake system and is normal. However, if the squeal becomes louder or more frequent, have your brakes inspected by your dealer or a qualified service technician.

Ford Motor Company has not found any detrimental effects of popular mobile radio transmitting equipment installed on vehicles with the anti-lock brake system, if the equipment is installed according to the manufacturer's instructions. However, if mobile radio transmitting equipment is installed in your vehicle and, if either the anti-lock brake system cycles or the ANTI-LOCK

DEP DEALER E-PROCESS

light comes on at any time other than right after you turn the key to the ON position or during a sudden stop, have your mobile radio dealer inspect the installation.

Parking Brake

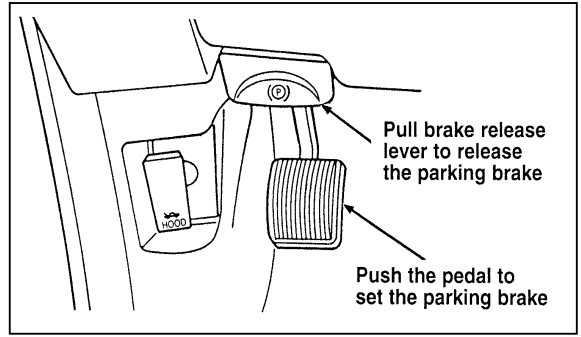
The parking brake should be used whenever you park your vehicle.

The parking brake is suspended just below the lower left corner of the instrument panel.

To set the parking brake:

1. Move the gearshifter to P (Park).
2. Push the parking brake pedal down firmly and fully with your left foot.

The Brake System Light in the warning lights will glow once the parking brake is set.



The parking brake

WARNING

Always set the parking brake fully and make sure the gearshift is latched in P (Park). Turn off the ignition whenever you leave your vehicle.

DEP DEALER E-PROCESS

WARNING

If the parking brake is fully released, but the Brake System light remains on, have the brakes checked immediately. They may not be working properly.

WARNING

To prevent personal injury, do not release the parking brake while outside the vehicle.

Your vehicle has an automatic parking brake release. As you move the gearshift selector to any forward gear with the engine running, the parking brake automatically releases. Your parking brake will not release automatically when you shift into R (Reverse). To release the parking brake manually, pull the brake release handle [marked (P)] located on the lower left corner of the instrument panel. The pedal is now released and will reset the next time you press the pedal. The Brake System Warning Light will glow if the parking brake is not fully released when the engine is running.

The parking brake is not designed to stop a moving vehicle, but you can use the parking brake to stop your vehicle in an emergency if the normal brakes fail. However, since the parking brake applies only the rear brakes, the stopping distance will increase greatly and the handling of your vehicle will be adversely affected.

Always check the Brake Warning Light each time you start your engine. Driving with the parking brake on will cause the brakes to wear out quickly and will reduce the fuel economy.

DEP
DEALER E-PROCESS

Traction Assist™ (If equipped)

Your vehicle may be equipped with the optional Traction Assist™ system. This system helps prevent wheel spin in order to improve tire traction and is an especially useful feature when you drive in hilly areas or on slippery, icy or snowy roads.

Traction Assist™ works automatically by rapidly applying and releasing the brakes to prevent one or both of the rear drive wheels from spinning during acceleration.

During the Traction Assist™ function, which most often occurs during low speed acceleration on slippery surfaces, a noise may be heard coming from the engine compartment. This is normal and may last for a few seconds during the acceleration of the vehicle.

In general, this system improves your vehicle's stability and acceleration performance when road conditions warrant. Traction Assist™ is fully effective up to approximately 25 mph (40 km/h).

At 25 mph (40 km/h) the function begins to taper off until it no longer operates above 34 mph (55 km/h).

If the Traction Assis;™ system is cycled excessively, the system will shut down to prevent the rear brakes from overheating. A cooling down period is required to prevent damage to the brakes. This time period varies and depends on brake usage during the cooling down period. Anti-Lock braking is not affected and will function normally during the cool down period.

After the cool down period, the Traction Assist™ function is restored.%

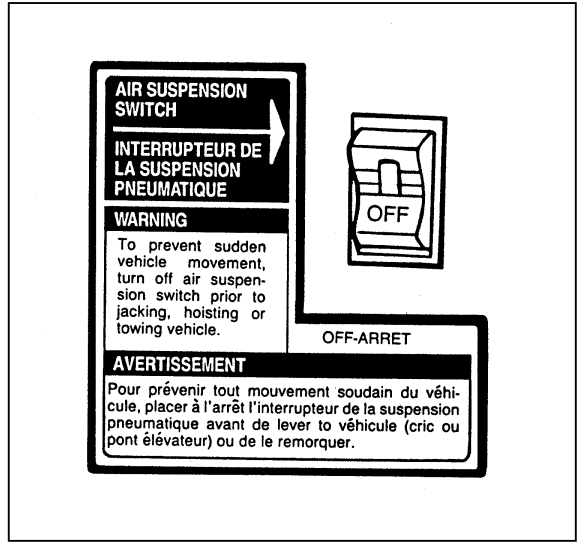
Rear Air Suspension System

Your vehicle is equipped with an automatic load leveling rear air suspension system. This system maintains the rear vehicle height at a constant level by automatically adding air or releasing air from the rear air springs to offset changes in vehicle loads.

DEP DEALER E-PROCESS

A shutoff switch is located in the trunk on the right hand vertical trim panel. If this switch is in the OFF position, the automatic leveling system will not operate. The switch should be OFF whenever hoisting, towing or jacking up the vehicle. “CHECK AIR SUSPENSION” will appear in the message center when the ignition switch is in the ON position, and either the shutoff switch is in the OFF position, or a system fault has been detected.

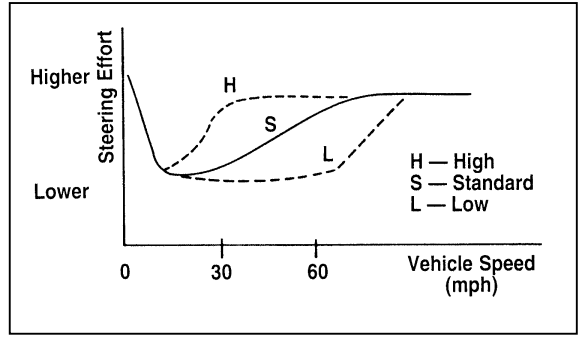
Normal vehicle operation does not require any action by the driver.



The air suspension switch — located in the trunk on the right-hand vertical trim panel

DEP
DEALER E-PROCESS

The Steering Assist Switch (if equipped), located on the instrument panel, allows the driver to select how the steering effort changes with vehicle speed. In the standard position, the steering effort increases at about the same rates as the vehicle speed increases. If the driver prefers lighter steering efforts, the switch should be in the “LO” position where steering effort will remain low, until highway speeds are reached. If the driver prefers heavier steering efforts, the switch should be in the “HI” position where steering effort will increase at lower speeds.



Effort vs. vehicle speed chart

NOTE: The Steering Assist Switch position will not change the steering efforts when the vehicle is stopped or at very low speeds (0-10 mph, 0-16 km/h).

DEP
DEALER E-PROCESS

Steering Your Vehicle

Your vehicle comes with power steering. Power steering uses energy from the engine to help steer your vehicle.

The steering system in your vehicle is speed sensitive. This means that the steering effort is light for parking and heavier for highway driving. However, if you have to swerve around an object or another vehicle, your steering will have full power assist.

Never hold the steering wheel to the extreme right or left for more than five seconds if the engine is running. This can damage the power steering pump.

If the amount of effort needed to steer your vehicle changes at a constant vehicle speed, have the power steering system checked. If the power steering system breaks down (or if the engine is turned off), you can steer the vehicle manually but it takes more effort.

Driving with an Automatic Overdrive Transmission

The automatic overdrive transmission operates very much like a regular automatic transmission, except it offers the extra overdrive feature.

Putting Your Vehicle in Gear

WARNING

Hold the brake pedal down while you move the gearshift lever from position to position. If you do not hold the brake pedal down, your vehicle may move unexpectedly and injure someone.

To move the shifter out of P (Park), the ignition key must be turned to the ON position. This vehicle is also equipped with the brake shift interlock safety feature which prevents shifting the

DEP
DEALER E-PROCESS

transmission out of the P (Park) position without the brake pedal being depressed if the key is in the ON position.

To operate:

1. Start the engine.
2. Depress and hold the brake pedal.

Your vehicle is equipped with a Brake Shift Interlock safety feature. This feature prevents the gearshift from being moved from the P (Park) position until the brake pedal is depressed. This feature is active when the ignition is in the ON position. If the gearshift lever CANNOT be moved from P (Park) with the brake pedal depressed:

1. Turn the engine off and remove the ignition key.
2. Apply parking brake.
3. Reinsert the ignition key and turn clockwise to the first position.
4. Depress the brake pedal, move the gearshift lever to N (Neutral) and start the engine.

If you need to shift out of P (Park) by using the alternate procedure described above, it is possible that a fuse has blown and that your brakelamps may also not be functional. Please refer to the *Servicing Your Town Car* chapter for instructions on checking and replacing fuses.

WARNING

DO NOT DRIVE YOUR VEHICLE UNTIL YOU VERIFY THAT THE BRAKELAMPS ARE WORKING.

Once you place the gearshift securely into position, gradually release the brake pedal and use the accelerator as necessary.

DEP DEALER E-PROCESS

R (Reverse)

With the gearshift in the R (Reverse) position, the vehicle will move backward. You should always come to a complete stop before shifting into or out of R (Reverse).

N (Neutral)

With the gearshift in the N (Neutral) position, the vehicle can be started and is free to roll. Hold the brake pedal down while in this position.

Driving

Your vehicle's gearshift is on the steering column. The Transmission Control Switch (TCS) is located on the end of the gearshift lever. The Transmission Control Indicator Light (OVERDRIVE OFF) is located on the instrument panel. You can put the gearshift lever in any of the several positions.

The OVERDRIVE OFF light is off (not illuminated) during normal vehicle operation. This allows the transmission to upshift and downshift from 1st through 4th gears. When the TCS is pressed, the Transmission Control Indicator Light will illuminate (OVERDRIVE OFF) on the instrument panel. When this OVERDRIVE OFF is illuminated the transmission will upshift and downshift from 1st through 3rd gears.

If OVERDRIVE OFF light does not come "ON" when TCS is depressed or if the light flashes when you are driving, have your vehicle serviced at the first opportunity. If this condition persists, damage could occur to the transmission.

To return the transmission to normal operation (1st through 4th gear) depress the TCS again. This switch may be used to cancel overdrive any time the vehicle is being driven. Each time your vehicle is started, the overdrive system will automatically be in the normal overdrive mode and the light will not be illuminated.

DEP
DEALER E-PROCESS

Overdrive is the usual driving position for an automatic overdrive transmission. It works the same way Drive works, automatically upshifting or downshifting as the vehicle speeds or slows.

However, Overdrive also shifts into a fourth gear — an overdrive gear — when your vehicle cruises at an appropriate consistent speed for any length of time. This fourth gear will increase your fuel economy when you travel at cruising speeds.

When to use Drive (j — with Transmission Control Switch activated)

Overdrive may not be appropriate for certain terrain. If the transmission shifts back and forth between Third and Fourth gears while you are driving on hilly roads or if your vehicle does not have adequate power for climbing hills, depress the TCS.

You can depress the TCS at any speed.

When to use 2 (Second)

Use 2 (Second) for start-up on slippery roads or to give you more engine braking to slow your vehicle on downgrades.

When to use 1 (Low)

Use 1 (Low) when driving down steep grades. It gives more engine braking to slow your vehicle than 2 (Second) on the downgrades. You can upshift from 1 (Low) to 2 (Second) or from 1 (Low) to Overdrive at any speed.

P (Park)

Always come to a complete stop before you shift into P (Park). Make sure that the gearshift is securely latched in P (Park). This locks the transmission and prevents the rear wheels from rotating.

DEP DEALER E-PROCESS

WARNING

Always set the parking brake fully and make sure the gearshift is latched in P (Park). Turn off the ignition whenever you leave your vehicle.

WARNING

Never leave your vehicle unattended while it is running.

You can tell a column-mounted gearshift is securely latched in P (Park) if the lever is adjacent to the P (Park) and you cannot move it without pulling it toward you and rotating it downward.

Driving With a Heavy Load

There are limits to the amount of weight your vehicle can carry or tow. The total weight of your vehicle, plus the weight of the passengers and cargo, should never be more than the Gross Vehicle Weight Rating (GVWR). Also, the weight that your vehicle carries over the front axle and rear axle should never be more than the Gross Axle Weight Rating (GAWR) for the respective axle.

You can find your vehicle's GVWR and GAWR on the Safety Compliance Certification Label on the left front door lock facing or on the door latch post pillar.

The weight limits of your vehicle's tires affect the GVWR or GAWR limitations. Usage of replacement tires with higher weight limits than originals does not increase GVWR or GAWR. Usage of lower capacity replacement tires may lower GVWR and GAWR limitations.

WARNING

Do not exceed the GVWR or the GAWR specified on the Safety Compliance Certification Label.

DEP
DEALER E-PROCESS

Limiting Your Vehicle's Load

The load that you add to your vehicle must not exceed the maximum load stated on the Safety Compliance Certification Decal attached to the left front door pillar.

To figure the weight of your vehicle's load, add the weights of:

- ❑ the driver and passengers
- ❑ luggage and any other items that you put in your vehicle
- ❑ the tongue load of the loaded trailer
- ❑ the weight of any equipment that has been added to your vehicle since it was delivered to your dealer

If you do not know the actual weights of these items, use the following procedure to figure the weight of a load:

1. Weigh your vehicle without the driver, passengers and luggage. You might take your vehicle to a shipping company or an inspection station for trucks.
2. Then weigh your vehicle with the driver, passengers and luggage.
3. Subtract the first reading from the second to figure the total weight of the load.

DEP DEALER E-PROCESS

After determining this load, you must also make sure that the total weight of your vehicle, plus the load it carries, is less than its GVWR. Also, make sure that the weight your vehicle carries over each axle is less than the GAWR for the respective axle.

If your vehicle exceeds the GVWR, remove cargo from your vehicle accordingly. If your vehicle exceeds the GAWR for either axle, shift the load or remove cargo accordingly.

WARNING

Improper distribution of your vehicle's load or carrying weight in excess of the amount shown on the tire decal can cause rapid tire wear or loss of vehicle control.

Trailer Towing

Your vehicle is not equipped to tow. No towing packages are available through Ford or Lincoln/Mercury dealers.

DEP DEALER E-PROCESS

The flashers work whether your vehicle is running or not. The flashers work for up to two hours when the battery is fully charged and in good condition without draining the battery excessively. If the flashers run for longer than two hours or if the battery is not fully charged, the battery can be drained.

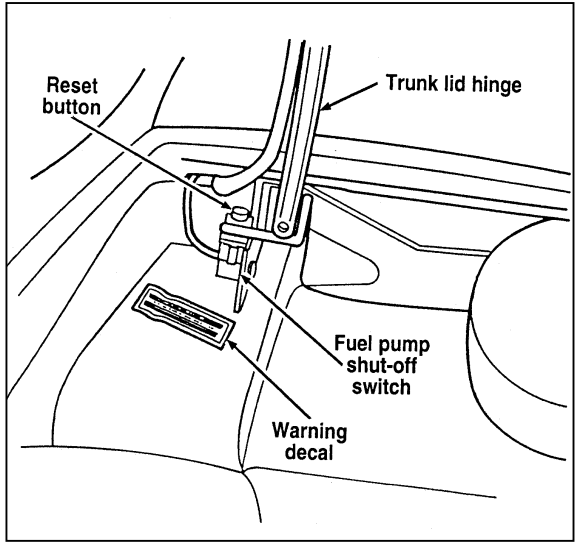
If the Engine Cranks but Does Not Start or Does Not Start After a Collision

Fuel Pump Shut-off Switch

If the engine cranks but does not start even after a small collision, the fuel pump shut-off switch may have been actuated. The shut-off switch is a device intended to stop the fuel pump when your vehicle has been involved in a substantial jolt.

Once the shut-off switch is actuated, you must reset the switch by hand before you can start your vehicle. The switch is on the left side of the trunk.

DEP
DEALER E-PROCESS



Fuel pump shut-off switch

WARNING

If you see or smell fuel, do not reset the switch or try to start your vehicle. Have all the passengers get out of the vehicle and call the local fire department or a towing service.

If your engine cranks but does not start after a collision or substantial jolt:

1. Turn the ignition key to the OFF position.
2. Check under the vehicle for leaking fuel.
3. If you do not see or smell fuel, push the red reset button down. If the button is already set, you may have a different mechanical problem.
4. Turn the ignition key to the ON position for a few seconds, then turn it to the OFF position.

DEP DEALER E-PROCESS

5. Check under the vehicle again for leaking fuel. **If you see or smell fuel, do not start your vehicle again.** If you do not see or smell fuel, you can try to start your vehicle again.

Fuses and Circuit Breakers

Fuses (conventional and high current) and circuit breakers protect your vehicle's wiring system from overloading. If electrical parts in your vehicle are not working, the system may have been overloaded and blown a fuse or tripped a circuit breaker. Before you replace or repair any electrical parts, check the appropriate fuses (conventional and high current) or circuit breakers.

The following charts tell you which fuses or circuit breakers protect the wiring for each electrical part of your vehicle. If a fuse blows or a circuit breaker opens a circuit, all the parts of your vehicle that use that circuit will not work.

Once you have determined which fuses or circuit breakers to check, follow the procedures under *Checking and replacing fuses* or *Checking and replacing circuit breakers* in this chapter.

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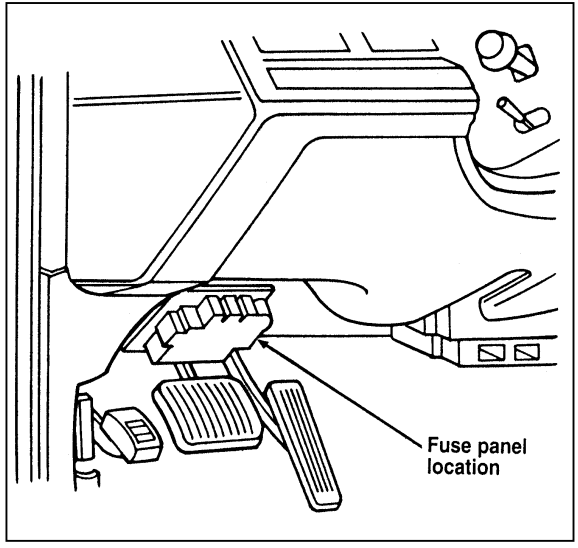
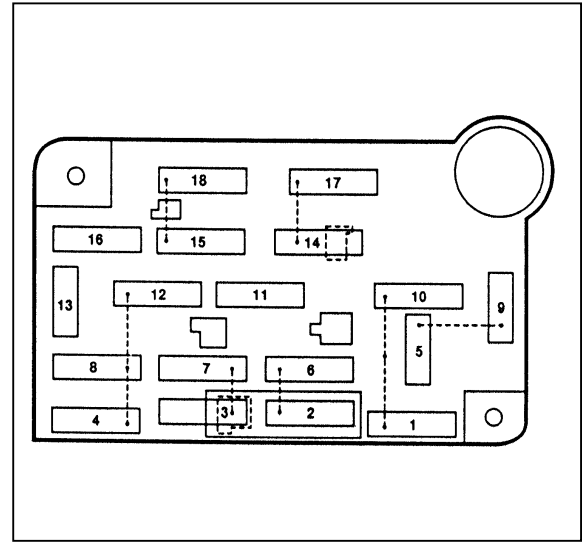


The instrument panel fuse panel location



The instrument panel fuse panel

DEP
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Fuse/CB/ Relay Loc.	Fuse Amp Rating	Description
1	15A	• Backup lamps • Turn signal lamps • Electronic automatic temperature control (EATC) module • Brake shift lock solenoid • Heated seat
2	30A	• Wiper/washer controller module • Windshield wiper motor
3	5A	• Alternator monitor
4	10A	• Lighting control module (LCM)
5	15A	• Ignition coils • Powertrain control module (PCM) power relay
6	10A	• Front radio control unit • Clock • Cellular phone • Compass module • Lighting control module (LCM) • Electronic day/night mirror
7	15A	• Air bags diagnostic monitor • Anti-lock brake module • Instrument cluster • Speed control amplifier • Air suspension/EVO steering module • Transmission control switch • Warning indicators • Steering wheel rotation sensor • Electronic automatic temperature control (EATC) module • Daytime running lamps
8	15A	• Trunk lid pull-down • CD changer • Power mirrors • Keyless entry • Memory seats • Redundant steering control module • Cellular phone

DEP
DEALER E-PROCESS

Fuse/CB/ Relay Loc.	Fuse Amp Rating	Description
9	5A	• Front radio control unit • Air bag diagnostic module • Lighting control module (LCM) • Warning indicators
10	30A	• Electronic automatic temperature control (EATC) module
11	5A	• Left front seat module • Left front door module
12	18A C.B.	• Headlamps • Lighting control module (LCM)
13	10A	• Rear window defrost/heated mirror
14	20A C.B.	• Keyless entry • Power seats • Fuel fill door release • Left front seat module • Left front door module

Fuse/CB/ Relay Loc.	Fuse Amp Rating	Description
15	15A	• Courtesy lamps • Lighting control module (LCM) • Daytime running lamps • Instrument panel illumination
16	15A	• Brake ON/OFF switch • Hazard flashers • Brake pressure switch
17	30A	• Cigar lighter
18	10A	• Instrument cluster • Clock • Front radio control unit • Electronic automatic temperature control (EATC) module • On Board Diagnostic (OBD) data link connector

DEP DEALER E-PROCESS

High Current Fuses

High current fuses are circuit protectors that are part of the wiring harness for some electrical equipment. These, like fuses, open when the circuit load exceeds their amperage rating. High current fuses may be purchased from your Ford or Lincoln-Mercury dealer.

The high current fuse panel is located in the engine compartment on the left-hand fender apron.

WARNING

Always disconnect the battery before servicing high current fuses.

Ford recommends that high current fuses be replaced by a qualified technician.

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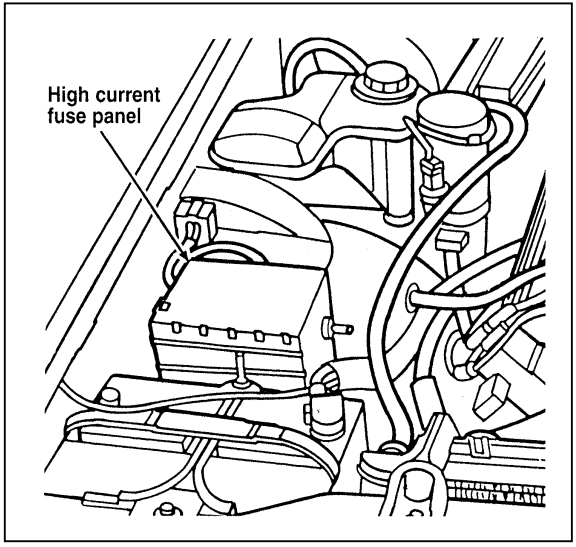
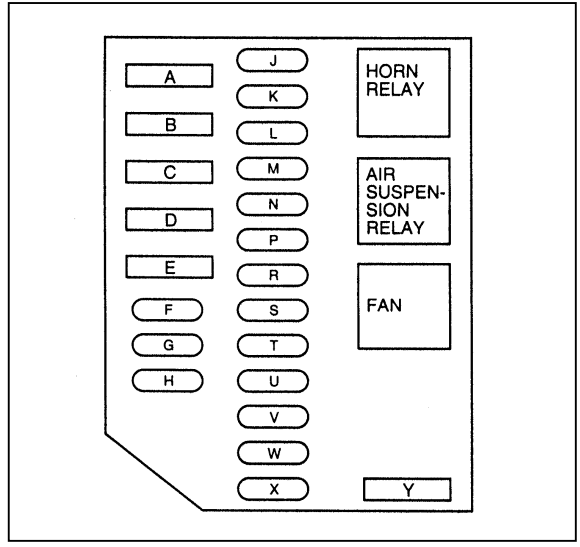


The high current fuse panel location



The high current fuses

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DEALER E-PROCESS

The high current fuses

Fuse Location	High Current Fuse Amp Rating	Description
A*	50A	• Lamps
B*	50A	• Anti-lock brakes
C*	50A	• Ignition switch
D*	40A	• Heated Mirrors • Rear window defroster
E*	40A	• Ignition switch
F	30A C.B.	• Moon roof • Power windows
G	—	Not used
H	—	Not used
J	10A	• Generator/voltage regulator
K	10A	• Air bag restraints
L	20A	• Horn
M	—	Not used
N	20A	• Fuel pump

*Are maxi-fuses. The rest are mini-fuses.

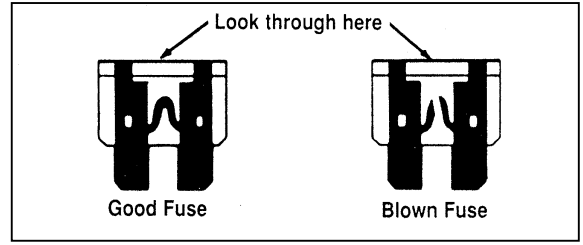
Fuse Location	High Current Fuse Amp Rating	Description
P	30A	• Cooling fan
R	25A	• Radio amplifier
S	30A	• Heated seat
T	30A	• Powertrain control module (PCM)
U	30A	• Air suspension
V	—	Not used
W	—	Not used
X	—	Not used
Y	—	Not used

DEP
DEALER E-PROCESS

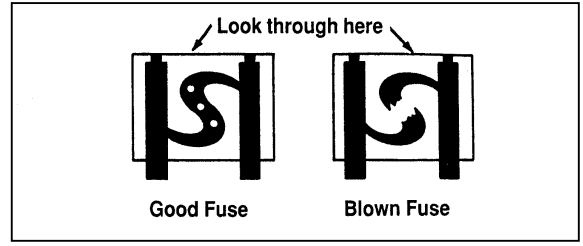
Checking and Replacing Fuses

If you need to check a fuse, follow these steps:

1. Find the fuse panel to the left of the steering column in the instrument panel.
2. Find the fuse you want to check (fuses are numbered on the fuse panel) and remove it with the fuse pulling tool that is provided.
3. Check the fuse to see if it is blown. Look through the clear side of the fuse to see if the metal wire inside is separated. If it is, the fuse should be replaced.



The side view of a Blade type fuse



The side view of a high current fuse

DEP
DEALER E-PROCESS

4. Replace the fuse with one that has the right amperage rating. (See the following charts.)

Instrument Panel Fuse Color	Amperage
Amber	5A
Red	10A
Blue	15A
Yellow	20A
Natural	25A
Green	30A

High Current Fuse Color	Amperage
Yellow	20A
Green	30A
Orange	40A
Red	50A

ARNING

Always replace a fuse with one that has the specified amperage rating. Using a fuse with a higher amperage rating can cause severe wire damage and could start a fire.

5. Replace the cover.

Even after you replace a fuse, it may continue to blow if you do not find what caused the overload. If the fuse continues to blow, have your electrical system checked.

Circuit Breakers

Since you need diagnostic equipment to check whether a circuit breaker works and such equipment comes with instructions, we do not discuss how to check circuit breakers.

DEP DEALER E-PROCESS

However, you should know that the circuit breakers will reset themselves and allow the electrical parts to work again once the overload on the circuit is removed. If the circuit breakers continue to cut off electricity, have your car's electical system checked.

If you replace a circuit breaker, use one with the same amperage rating. To remove a circuit breaker mounted in the fuse panel, grip it with your finger and thumb and pull it straight out of its socket.

If you need to check a circuit breaker that is on the fuse panel, see *Checking and replacing fuses* in this chapter to find out how to locate the fuse panel.

Changing a Tire

If you get a flat tire while you are driving, do not apply the brake heavily. Instead, gradually decrease the speed. Hold the steering wheel firmly and slowly move to a safe place on the side of the road. Park on a level spot, turn off the ignition, set the parking brake, and turn on the hazard flashers.

The Temporary Spare Tire

You may have a high pressure temporary spare tire. This spare tire is smaller than a regular tire and is designed for emergency use only. Use it only when you get a flat tire and replace it as soon as you can. This spare tire is marked with the words "TEMPORARY USE ONLY" so that you can easily identify it.

NOTE: Extended use of other than conventional spare tires on a Traction-Lok rear axle could result in a permanent reduction in effectiveness. This loss of effectiveness does not affect normal driving and should not be noticeable to the driver.

WARNING

If you use the temporary spare tire continuously or do not follow these precautions, the tire could fail, causing you to lose control of the vehicle, possibly injuring yourself or others.

DEP DEALER E-PROCESS

When you drive with the temporary spare tire, DO NOT:

- ❑ exceed 50 mph (80 km/h) under any circumstances.
- ❑ load your vehicle so that it is heavier than the maximum vehicle load rating listed on the tire decal.
- ❑ tow a trailer.
- ❑ use tire chains on this tire.
- ❑ try to repair the temporary spare tire or remove it from its wheel.
- ❑ use the wheel for any other type of vehicle.
- ❑ drive through an automatic car wash with this tire. Because the temporary spare tire is smaller than a conventional tire, it reduces the ground clearance. Your vehicle may get caught in the rails and it could be damaged.

The Conventional Spare Tire

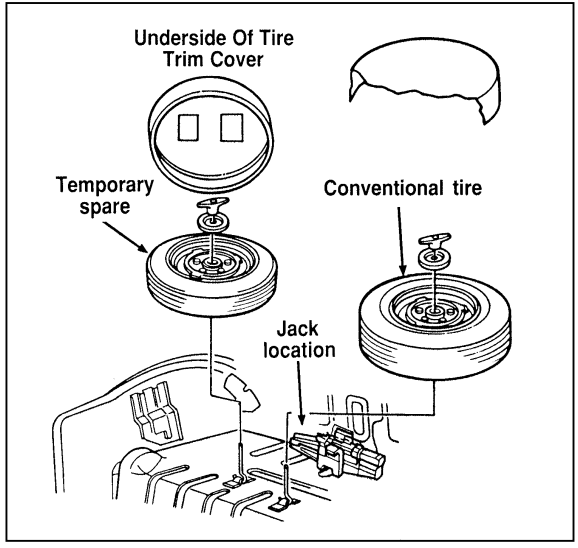
If you have the conventional spare tire, you can use it as a spare or as a regular tire. This spare tire is identical to the other tires that come with your vehicle, although the wheel may not match.

Spare Tire Location

The spare tire is stored under the carpet on the floor of the trunk.

You will find additional instructions for the spare tire on the warning label located on the wheel and the jacking instructions located on the spare tire cover.

DEP
DEALER E-PROCESS



The spare tire location

To remove the spare tire:

1. Remove the spare tire cover.
2. Unscrew the wing-nut holding down the spare tire.
3. Lift out the spare tire and jack kit.

Preparing to Change the Tire

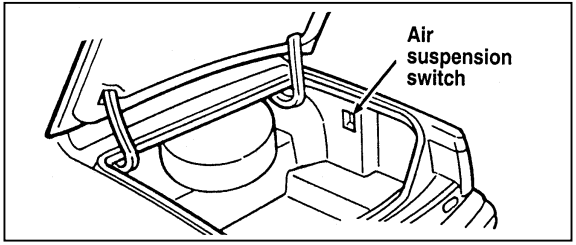
1. Make sure that your vehicle will not move or roll. Put the gearshift in P (Park). Set the parking brake and block the wheel that is diagonally opposite the tire that you are changing.

   Turn off the air suspension switch prior to jacking.

DEP
DEALER E-PROCESS

WARNING

On vehicles equipped with Air Suspension, turn OFF the Air Suspension switch prior to jacking, hoisting or towing your vehicle.



The air suspension switch — located in the trunk

WARNING

If the vehicle slips off the jack, you or someone else could be seriously injured.

2. Get out the spare tire and jack.

WARNING

To avoid injury, never run the engine with one wheel off the ground, such as when changing a tire.

3. Remove the center ornament from the aluminum wheel with the tapered end of the wheel nut wrench which came with your vehicle. Insert and twist the handle, then pry against the wheel.

DEP
DEALER E-PROCESS

4. Loosen each wheel lug nut one-half turn counterclockwise, but do not remove them until the tire is raised off the ground. You should pull up on the handle rather than push to develop maximum force to loosen wheel lug nuts. See *Anti-Theft Wheel Lug Nuts* later in this chapter for information on removing anti-theft lug nuts.

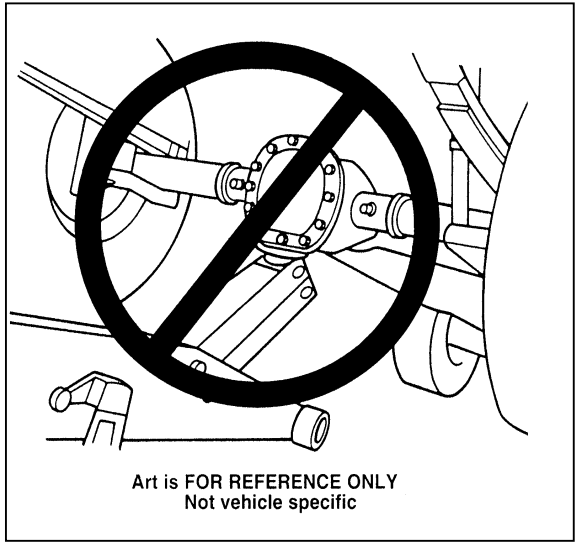
Removing and Replacing the Tire

1. Place the scissors-type jack under the side of the vehicle and adjust the jack height with the jack handle. The jack should fit in the notch in the vertical rocker panel flange which is nearest to the wheel to be changed.

WARNING

To lessen the risk of personal injury, do not put any part of your body under the vehicle while changing a tire. Do not start the engine when your vehicle is on the jack. The jack is only meant for changing the tire.

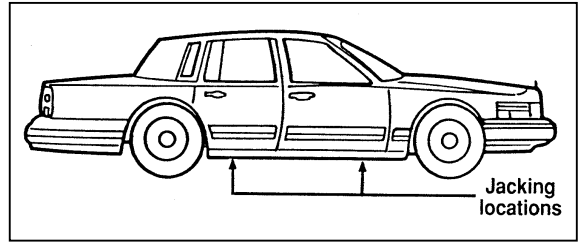
DEP DEALER E-PROCESS



The improper lift point

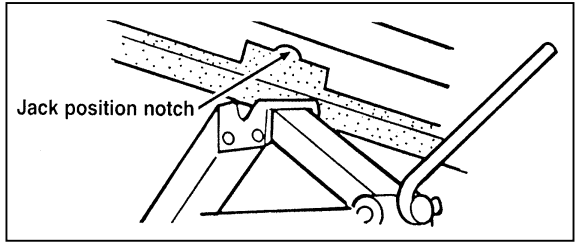
NOTE: Never use the differential housing as a lift point.

NOTE: Apply jack to the jack notch in the vertical flange only. Do not apply to the plastic rocker panel which has indicating notches and is outboard of the flange.

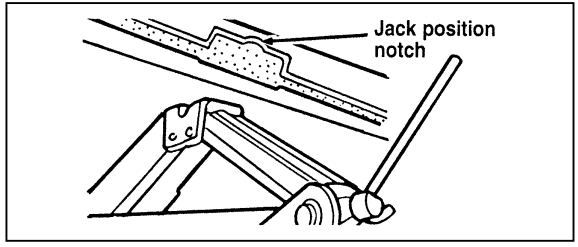


Jacking locations

DEP
DEALER E-PROCESS



Locating the notch for the jack — rear wheels

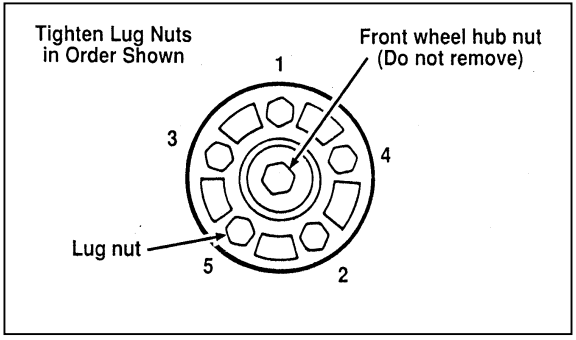


Locating the notch for the jack — front wheels

2. Turn the jack handle clockwise until the wheel clears the ground. Remove the wheel lug nuts.
3. If you are replacing the front tire (with aluminum wheels) with the temporary spare tire, you need to remove the black dust shield. Gently pull the shield over the rubber o-rings and slide it off the wheel studs. Because the rubber o-rings are soft, they should pass through the holes in the shield. If the rings do not pass through the holes, remove them from the wheel studs. Save the black dust shield for future use, and ensure the rubber o-rings are removed from wheel studs.
4. Replace the flat tire with the spare tire, making sure that the air valve stem is facing outward.
5. Reinstall the lug nuts, tightening until the wheel is snug against the hub. The beveled edges on the lug nuts face inward. Do not fully tighten the lug nuts until you lower the vehicle. If you do, you could force the vehicle off the jack.

DEP DEALER E-PROCESS

6. Lower the vehicle by turning the jack handle counterclockwise.
7. Remove the jack and fully tighten the lug nuts in the order shown in the following illustration. As soon as possible, have your dealer or a qualified service technician check the lug nuts for proper torque specifications.



The lug nuts on the wheel

8. Place any ornaments in the trunk.
9. Put the tire, jack, and wrench away. Make sure the jack is securely fastened so it does not rattle when you drive.
10. Unblock the wheels.
11. Turn on the air suspension switch.

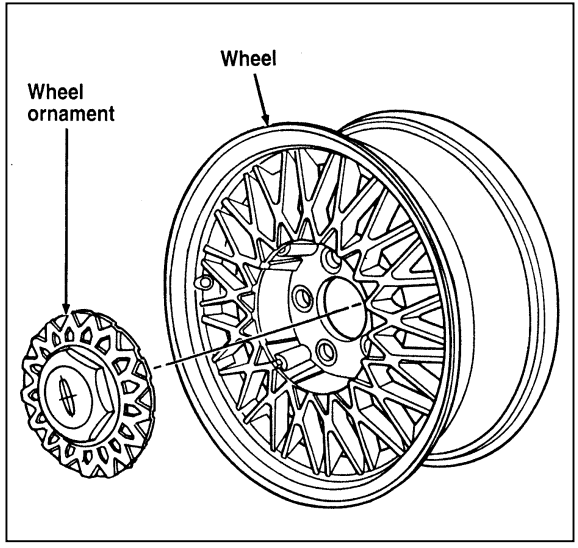
After replacing a flat tire with the temporary spare tire, the flat tire can be secured in the trunk tub by placing the "J" hook through a lug nut hole in the wheel with the tire and wheel lying at an angle.

Installation of the black dust shield.

When installing the regular tire, reinstall the black dust shield by orienting and sliding the shield until it is flush with the hub/rotor assembly.

DEP
DEALER E-PROCESS

Aluminum wheel



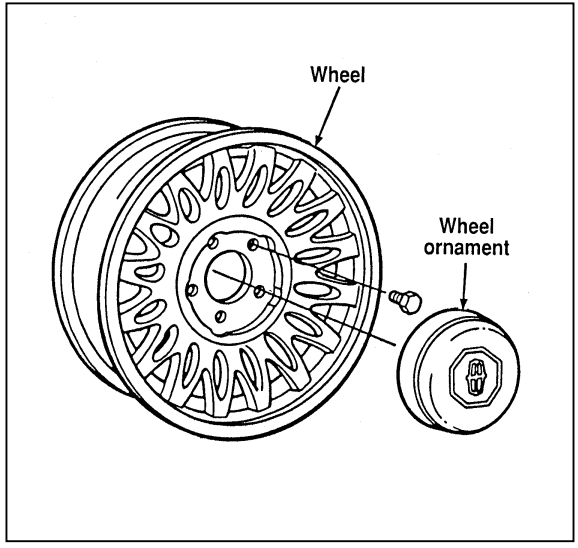
Lacy spoke aluminum wheel

Remove the center ornament from the wheel with the tapered end of the wheel nut wrench by inserting the end under one of two raised notches, and rotate the handle while prying against the wheel.

Install the center ornament on the wheel and be sure it is snapped into place all the way around using the palm of the hand or a rubber mallet.

DEP
DEALER E-PROCESS

Y-spoke aluminum wheel



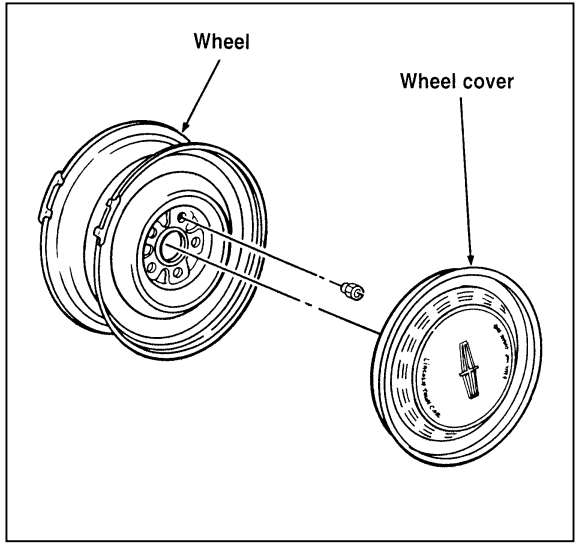
Y-spoke aluminum wheel

Remove the center ornament from the wheel with the tapered end of the wheel nut wrench by inserting the end into the notch and, rotate the handle while prying against the wheel.

Install the center ornament on the wheel and be sure it is snapped into place all the way around using the palm of the hand or a rubber mallet.

DEP
DEALER E-PROCESS

Steel wheel with full wheelcover



Steel wheel with full wheelcover

Remove the wheelcover from the wheel using the flanged end of the wheel nut wrench by inserting the handle and then prying against the inner wheelcover flange.

Install the wheelcover on the wheel with the valve stem in the wheel matching the hole in the wheelcover. Push by hand on the outside edges of the wheelcover until it is snapped firmly in place on the wheel.

NOTE: DO NOT USE A STEEL HAMMER.

If you have the anti-theft locking spoked wheel cover, each wheel cover has a lock bolt behind the center hub ornament. You need a special key wrench (stored in the glove box) to pry this ornament off and to remove the lock bolt. Do not lose this wrench or you will not be able to remove the wheel cover.

DEP
DEALER E-PROCESS

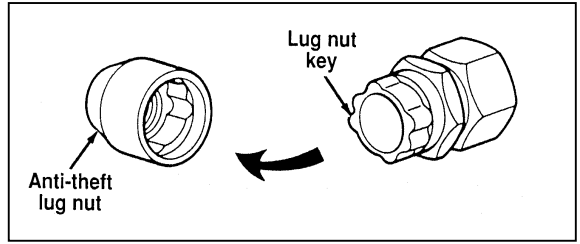
The key wrench has a registration number attached to it. Keep the registration number in a safe place. Complete the registration card and return it to the manufacturer as soon as you buy the vehicle. To replace the key wrench, send the I.D. card to the manufacturer.

Anti-Theft Wheel Lug Nuts (If equipped)

If your vehicle has this option, one of the lug nuts on each wheel locks and must be unlocked with a special key. The key and registration card are attached to the lug wrench and stored with the spare tire. If you lose the key, send the registration card to the manufacturer (not the dealer) to get a replacement key.

NOTE: If entire lug wrench/lug nut key assembly is lost, see your nearest Ford or Lincoln-Mercury dealer who has access to a master set of keys.

NOTE: DO NOT USE A POWER IMPACT WRENCH ON THE LUG NUT KEY.



The anti-theft lug nut and key

Removing the anti-theft lug nut

Insert the key over the locking lug nut. Make sure that you hold the key square to the lug nut. If you hold the key on an angle, you may damage the key and the lug nut.

Place the lug nut wrench over the lug nut key and apply pressure on the key with the wrench. Turn the wrench in a counterclockwise direction to remove the lug nut.

DEP DEALER E-PROCESS

Reinstalling the anti-theft lug nut

Insert the key over the locking lug nut. Place the lug nut wrench over the lug nut key and, while applying pressure on the key, install the lug nut.

Jump-Starting Your Vehicle

Your vehicle's battery may die if you leave the lights on or any electrical equipment on after you turn the engine off. If this happens, you may be able to jump-start your vehicle with a booster battery.

WARNING

The gases around the battery can explode if exposed to flames, sparks, or lit cigarettes. An explosion could result in injury or vehicle damage.

WARNING

To protect yourself when charging a battery, always shield your face and eyes. Make sure that you can breathe fresh air.

WARNING

Applying too much pressure on the ends when lifting a battery could cause acid to spill. Lift the battery with a carrier or with your hands on the opposite corners.

WARNING

Batteries contain sulfuric acid which burns skin, eyes, and clothing.

DEP DEALER E-PROCESS

If the acid touches someone's skin, eyes, or clothing, immediately flush the area with water for at least 15 minutes. If someone swallows the acid, have him or her drink lots of milk or water first, then Milk of Magnesia, a beaten egg, or vegetable oil. Call a doctor immediately.

To avoid damaging your vehicle or your battery, and to avoid injury to yourself, follow these directions for preparing your vehicle to jump-start and connecting the jumper cables in the order they are given. If in doubt, call for road service.

Preparing Your Vehicle

1. Your vehicle has a 12-volt starting system, so you need to use a 12-volt jumper system. You will damage your starting motor, ignition system, and other electrical parts if you connect them to a 24-volt power supply (either two 12-volt batteries in series or a 24-volt generator set).
2. Do not disconnect the battery of the disabled vehicle. You could damage the vehicle's electrical system.
3. Park the booster vehicle close to the hood of the disabled vehicle. **Make sure the vehicles do not touch each other.** Set the parking brake on both vehicles and stay clear of the engine cooling fan and other moving parts.
4. Check all battery terminals and remove any excessive corrosion before you attach the jumper cables.
5. Turn on the heater fan in both vehicles. Press the DEFROST button. Turn off all other switches and gauges.

DEP DEALER E-PROCESS

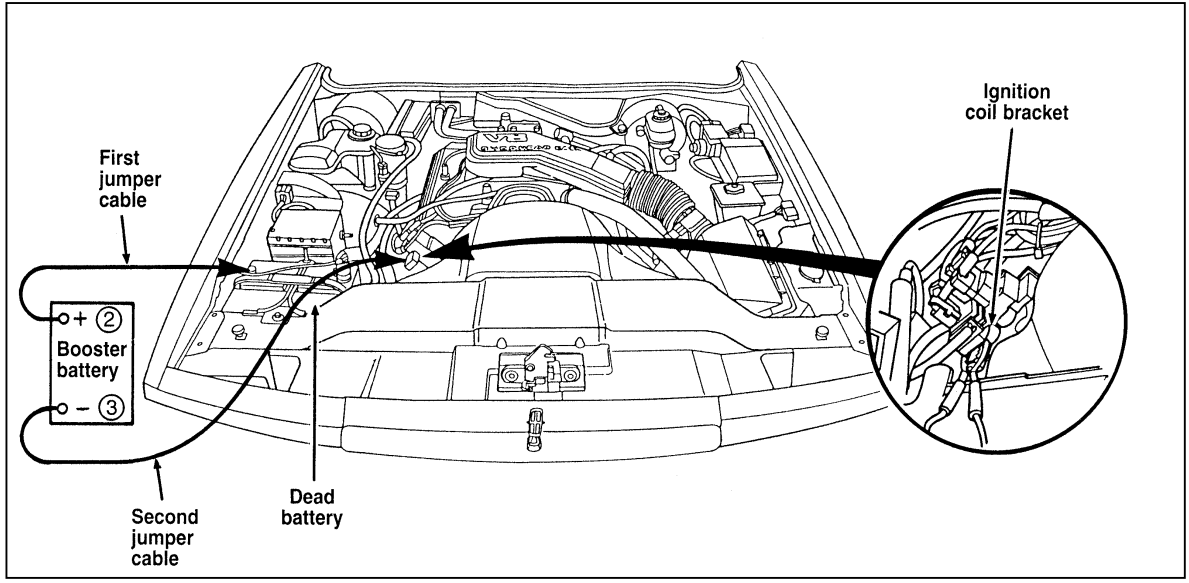
Connecting the jumper cables

1. Connect one end of the first jumper cable to the positive (+) terminal of the discharged battery. (You can connect either jumper cable to the positive (+) terminal, as long as you use the same cable for both positive terminals.) Most jumper cables have a red cable and a black cable. The red cable is generally used for the positive terminals and the black for the negative ones.
2. Connect the other end of the first cable to the positive (+) terminal of the booster battery.
3. Connect one end of the second cable to the negative (−) terminal of the booster battery — NOT to the discharged battery.
4. Connect the other end of the second cable to a good metallic surface on the engine or frame of the disabled vehicle.

WARNING

Do not connect the end of the second cable to the negative (−) terminal of the battery to be jumped. A spark may cause an explosion of the gases that surround the battery.

DEP DEALER E-PROCESS



The 4.6L SFI engine

DEP
DEALER E-PROCESS

Jump-Starting

1. Make sure that the jumper cables are not in the way of moving engine parts, then start the booster vehicle. Run the engine at a moderate speed.
2. Let the discharged battery charge for a few minutes and then start the disabled vehicle. It may take a couple of tries before the vehicle starts. If the vehicle does not start after several attempts, there may be a different problem.
3. When both vehicles are running, let them idle for a few minutes to charge the discharged battery.

Removing jumper cables

1. Always remove the jumper cables in the reverse order. Remove the negative (−) end of the jumper cable from the metallic surface on the engine or frame of the disabled vehicle.
2. Remove the negative (−) cable from the booster battery.
3. Remove the positive (+) cable from the booster battery.
4. Remove the other end of the positive (+) cable from the discharged battery.

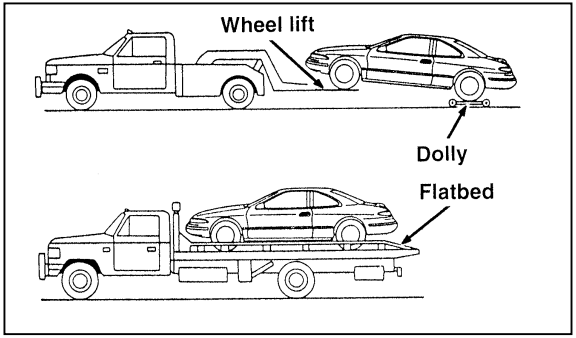
After the vehicle is started, let it idle for a while to let the engine "relearn" its idle conditions. Drive it around for a while with all electrical accessories turned off to let the battery recharge. Driveability may be deteriorated slightly until all drive modes are "relearned." You may need to use a battery charger to fully recharge the battery.

If you need to replace your battery, see *Battery* in the *Maintenance and Care* chapter.

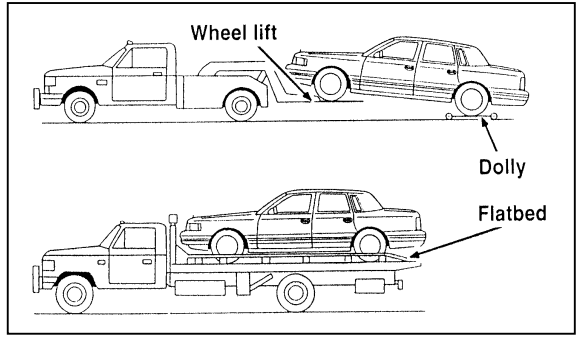
DEP DEALER E-PROCESS

Towing Your Vehicle

If you need to have your vehicle towed, contact a professional towing service or, if you are a member, your roadside assistance center. Typical towing options include wheel lift towing or flat bed towing.

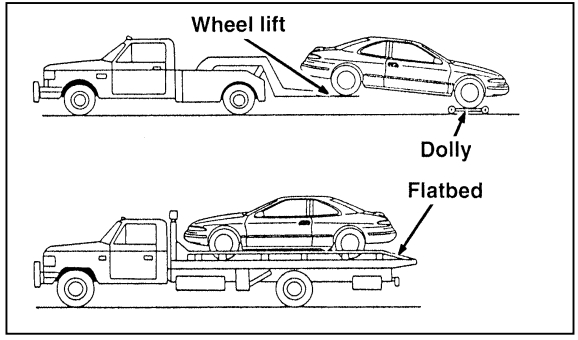


Front towing

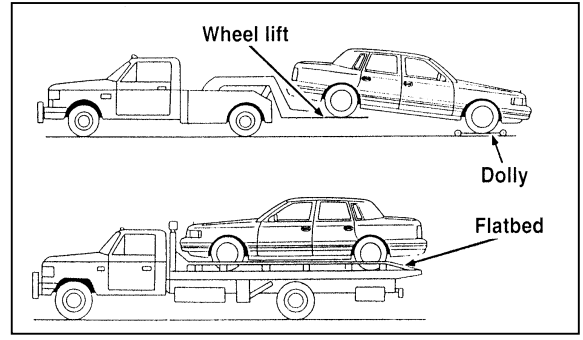


Before your vehicle can be towed, the air suspension switch in the luggage compartment needs to be turned to the OFF position. It is recommended that your Town Car be towed with wheel lift or flatbed equipment. If slingbelt equipment must be used, the towbar will deform the soft fascia (bumper). However, it will return to an acceptable shape.

DEP
DEALER E-PROCESS



Rear towing



When calling for a tow truck, tell the operator what kind of vehicle you have. A towing manual is available from Ford Motor Company for all authorized tow truck operators. Have your tow truck driver refer to this manual for the proper hook-up and towing procedures for your vehicle.

DEP
DEALER E-PROCESS

Maintenance and Care

Service Made Easy

Ford has two goals for servicing your vehicle.

1. When we can, we design parts that do not need to be serviced.
2. We want to make servicing your vehicle as easy as possible. To help you:

- ❑ We highlight do-it-yourself items in yellow in the engine compartment so that you can find them easily.
- ❑ When possible, we design parts that can be replaced without tools.
- ❑ We give you a Maintenance Schedule that makes tracking routine service for your vehicle easy. The maintenance schedule is located in the *Maintenance Schedule* booklet.

This chapter tells you about the basic parts that you need to check and service regularly.

If your vehicle needs professional servicing, your dealership can provide the parts and service required. Check your *Warranty Information Booklet* to find out which parts and services are covered. Also see the *Customer Assistance* chapter of this Owner Guide.

Ford Motor Company recommends that the Owner Maintenance Checks listed in the *Maintenance Schedule* booklet be performed for the proper operation of your vehicle. In addition to the conditions listed in the *Owner Maintenance Checklist*, be alert for any unusual noise, vibration, or other indication that your vehicle may need service. If you do notice something unusual, see that your vehicle is serviced promptly.

DEP
DEALER E-PROCESS

Use only recommended fuels, lubricants, fluids, and service parts conforming to Ford specifications. Motorcraft parts are designed and built to provide the best performance in your vehicle. Using these parts for replacement is your assurance that Ford-built quality stays in your vehicle.

NOTE: Always dispose of used automotive fluids in a responsible manner. Follow your community's standards for disposing of these types of fluids. Call your local recycling center to find out about recycling automotive fluids.

Accident Damage

Should your vehicle suffer accident damage requiring new sheet metal or plastic replacement parts, be sure your repair shop uses only genuine Ford replacement parts.

While imitation body parts may appear similar to genuine Ford parts on the surface, differences in quality become obvious when both are subjected to standard Ford quality tests. Ford tests indicate that you should be concerned with the quality of the fit and finish, corrosion resistance and structural integrity of these imitation replacement parts, and how their use will affect your warranty.

How Can You Protect Yourself?

Before any repair work begins, tell your adjuster that you want your vehicle repaired using *only* genuine Ford body parts. If the adjuster refuses, contact your insurance agent for help. If your agent and your insurance company refuse to repair your vehicle with original factory parts, you should contact your state insurance commissioner, the National Highway Traffic Safety Administration or a local consumer protection agency.

In Canada, contact provincial insurance commissioners, Transport Canada or local consumer protection groups.

DEP DEALER E-PROCESS

Precautions When Servicing Your Vehicle

Be especially careful when inspecting or servicing your vehicle. Here are some general precautions for your safety:

- ❑ Do not work on a hot engine. The engine cooling fan may come on unexpectedly. Always turn the engine off and let it cool.
- ❑ If you must work with the engine running, avoid wearing loose clothing or jewelry that could get caught in moving parts. Take appropriate precautions with long hair.
- ❑ Do not work on a vehicle in an enclosed space with the engine running, unless you are sure you have enough ventilation.
- ❑ Never get under a vehicle while it is supported by a jack only. If you must work under a vehicle, use safety stands.
- ❑ Keep all lit cigarettes and other smoking materials away from the battery and all fuel-related parts.

If you disconnect the battery, the engine must "relearn" its idle conditions before your vehicle will drive properly. To find out how the engine does this, see *Battery* in this chapter.

Working with the engine off:

1. Set the parking brake fully and make sure that the gearshift is securely latched in P (Park).
2. Remove the key from the ignition after you turn the engine off.
3. Block the wheels. This will prevent your vehicle from moving unexpectedly.

DEP DEALER E-PROCESS

Working with the engine on:

1. Set the parking brake fully and make sure that the gearshift is securely latched in P (Park).
2. Block the wheels. This will prevent your vehicle from moving unexpectedly.

WARNING

Do not start your engine with the air cleaner removed and do not remove it while the engine is running.

WARNING

The cooling fan is automatic and may come on at any time. Always disconnect the negative terminal of the battery before working near the fan.

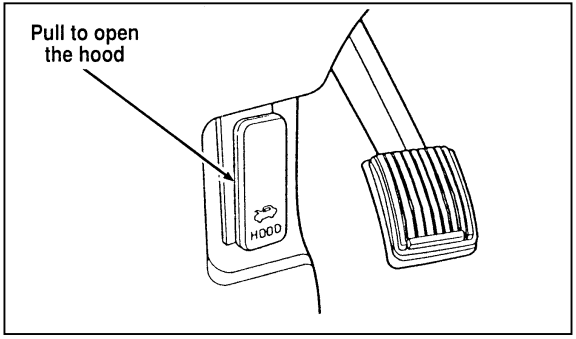
If the battery is disconnected, the computer must relearn its idle control. See *Battery* in the Index.

NOTE: The engine compartment light may be switched on or off at the light assembly. The light assembly is located on the hood on the driver's side. To turn the light on, pull the switch toward you; to turn it off, push it away from you. The switch may remain in the on position at all times, as the light will turn off when the hood is closed.

DEP DEALER E-PROCESS

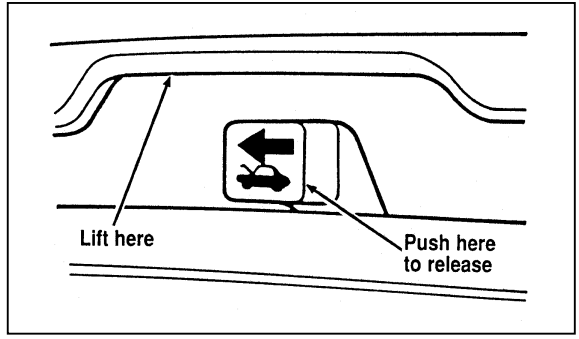
Opening the Hood

1. Inside the vehicle, pull the hood release handle located under the bottom left corner of the instrument panel.



The hood release under the instrument panel

2. Go to the front of the vehicle and release the auxiliary latch that is located under the hood at the center of the vehicle.



The auxiliary latch under the front edge of the hood

DEP
DEALER E-PROCESS

3. Lift the hood until the lift cylinders hold it open.

Whenever you close the hood, latch it securely.

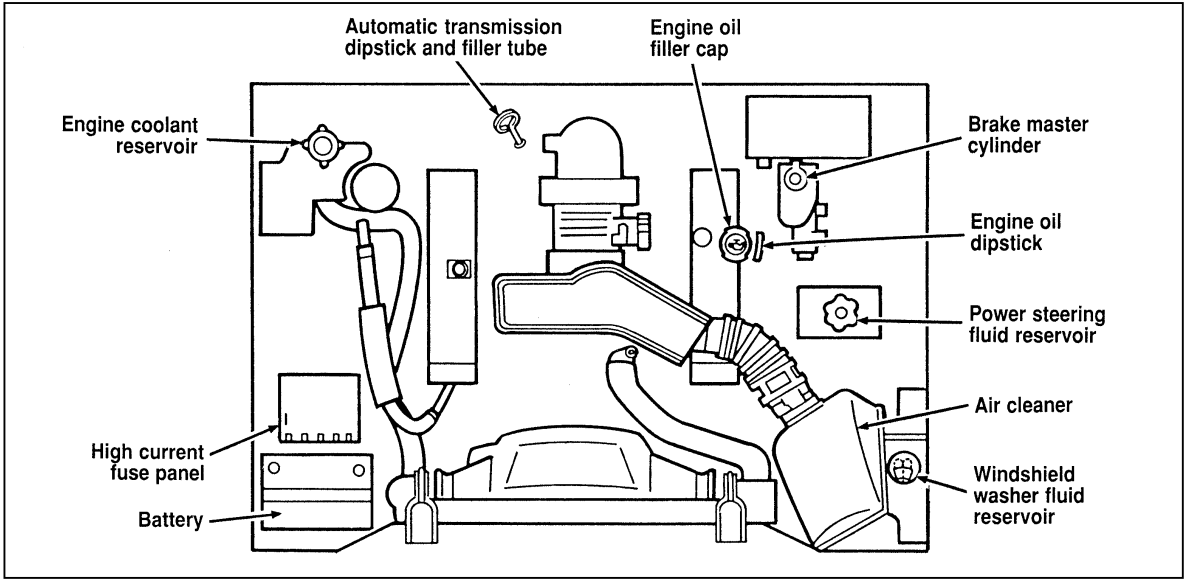
NOTE: Apply lubricant to the hood latch at six-month intervals to maintain smooth and trouble-free operation.

NOTE: Read and understand ***Precautions When Servicing Your Vehicle*** at the beginning of this chapter before opening the hood.

Engine Compartment

Your vehicle has a 4.6 liter engine. The following page shows a diagram of where to find items that you should regularly service.

DEP DEALER E-PROCESS



A 4.6 liter SFI engine

DEP
DEALER E-PROCESS

Engine Oil Recommendations

We recommend using Motorcraft oil or an equivalent oil meeting Ford Specification WSS-M2C153-F and displaying the American Petroleum Institute CERTIFICATION MARK on the front of the container.

The API Certification Mark

Never use:

- ❑ "Non-Detergent" oils
- ❑ Oils labeled API SA, SB, SC, SD, SE, SF or SG
- ❑ Additional engine oil additives, oil treatments or engine treatments

Engine oils with an SAE 5W-30 viscosity are PREFERRED for your vehicle. They provide the best engine performance, fuel economy and engine protection for all climates down to -15˚F (-25˚C).

Synthetic engine oils which are CERTIFIED and of the preferred viscosity may be used in your engine. The engine oil and oil filter must still be changed according to the maintenance schedule.

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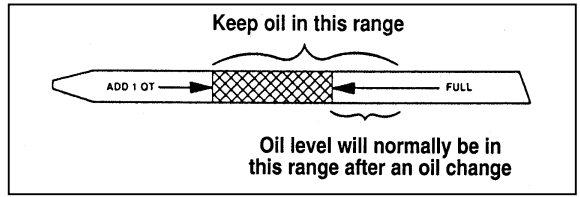
DEALER E-PROCESS

Checking and Adding Engine Oil

Since the proper amount of engine oil is important for safe engine operation, check the oil using the dipstick each time you put fuel in your vehicle. Remember the engine must be off, the oil must be warm and the vehicle must be parked on level ground.

Checking the engine oil level:

1. Turn the engine off after it has warmed up and allow a few minutes for the engine oil to drain back into the oil pan.
2. Set the parking brake, making sure the gearshift is securely latched in P (Park).
3. Open the hood. Protect yourself from engine heat.
4. Locate the engine oil dipstick (highlighted in yellow) and carefully pull it out of the engine.
5. Wipe the dipstick clean and put it back into position, making sure it is fully seated.



Engine oil dipstick

6. Carefully pull the dipstick out again. If the oil level is below the "ADD 1 QT" line, add engine oil as necessary. If the oil level is beyond the letter "F" in Full, engine damage or high oil consumption may occur and some oil must be removed from the engine.
7. Put the dipstick back in and make sure it is fully seated.

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DEALER E-PROCESS

It may be necessary to add some oil between oil changes. Make sure you use a CERTIFIED engine oil of the preferred viscosity. Your vehicle's warranty coverage may not apply if engine damage is caused by the use of improper engine oil.

Add engine oil through the oil filler cap highlighted in yellow. To add oil, remove the filler cap and use a funnel to pour oil into the opening. Be careful not to overfill the engine. Recheck the oil level after you finish adding oil.

Changing the Engine Oil and the Oil Filter

Refer to the *Maintenance Schedule* booklet for recommended intervals.

Change your engine oil and oil filter according to these mileage and time requirements, whichever occurs first.

5,000 miles (8,000 KM) or 6 months
Normal Schedule

3,000 miles (5,000 KM) or 3 months
Severe Duty Sschedule

Extensive idling
Trailer towing
Driving in severe dust
Police, taxi, or delivery service

WARNING

Continuous contact with USED motor oil has caused cancer in laboratory mice.

Protect your skin by washing with soap and water.

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DEALER E-PROCESS

Brake Fluid

Under normal circumstances, your vehicle should not use up brake fluid rapidly. However, expect the level of the brake fluid to slowly fall as you put more mileage on your vehicle and the brake lining wears.

You should check the brake fluid at every scheduled engine oil change, but be sure to check it at least once a year. You can do this by looking at the fluid level in the plastic reservoir on the master cylinder. (See *The Engine Type* in this chapter to locate the master cylinder.) The fluid level should be at or near the MAX mark.

WARNING
Brake fluid is toxic.

If brake fluid contacts eyes, flush eyes with running water for 15 minutes. Get medical attention if irritation persists. If taken internally, drink water and induce vomiting. Get medical attention immediately.

If the fluid is low, carefully clean and remove the cap from the reservoir. Fill the reservoir to the MAX line with Ford High Performance DOT 3 Brake Fluid C6AZ-19542-AB or equivalent DOT 3 fluid meeting Ford specification ESA-M6C25-A.

WARNING
If you use a brake fluid that is not DOT 3, you will cause permanent damage to your brakes.

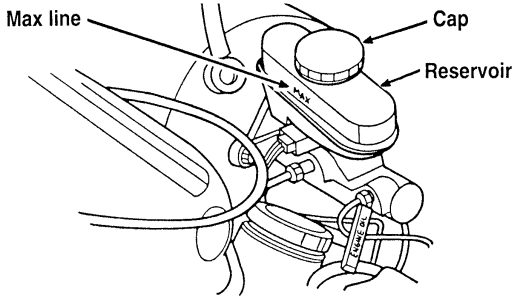
Do not fill the reservoir above the MAX line.

If you find that the fluid level is excessively low — below the seam or ridge on the outside of the plastic reservoir — have the brake system inspected.

DEP
DEALER E-PROCESS

WARNING

Do not let the reservoir for the master cylinder run dry. This may cause the brakes to fail.



The anti-lock brake system fluid reservoir

Windshield Washer Fluid

Washer Fluid

Check the level of the windshield washer fluid periodically, or when the warning light indicates low fluid. The reservoir for washer fluid is located on the driver's side of the engine compartment.

The low windshield washer fluid warning light comes on when there is less than a quarter of the container of washer fluid left. With the ignition ON this light will flash five (5) times and a tone will sound for one (1) second, and then the light will remain on.

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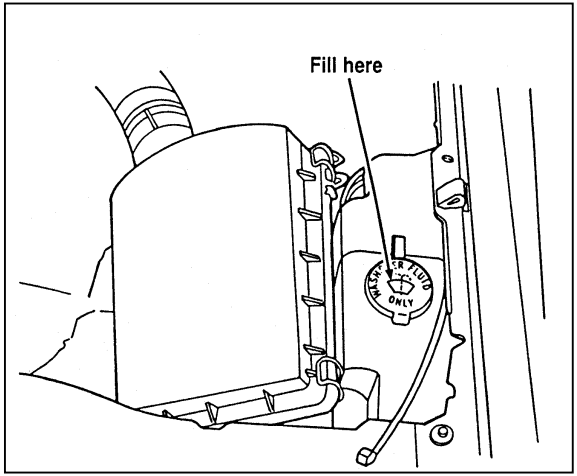


The reservoir for the windshield washer fluid

WARNING

Do not put windshield washer fluid in the container for the engine coolant.

Use specially formulated windshield washer fluid rather than plain water, because specially formulated washer fluids contain additives that dissolve road grime. For safety reasons, washer fluids containing an appropriate antifreeze such as methanol should be used in freezing weather (temperatures below 32˚F [0˚C]). State or local regulations on Volatile Organic Compounds (VOCs) may restrict use of the most common antifreeze, methanol. Washer fluids containing non-methanol antifreeze agents should be used only if they provide cold weather protection without damaging the vehicle's paint finish, wiper blades, and windshield washer system.

DEP
DEALER E-PROCESS

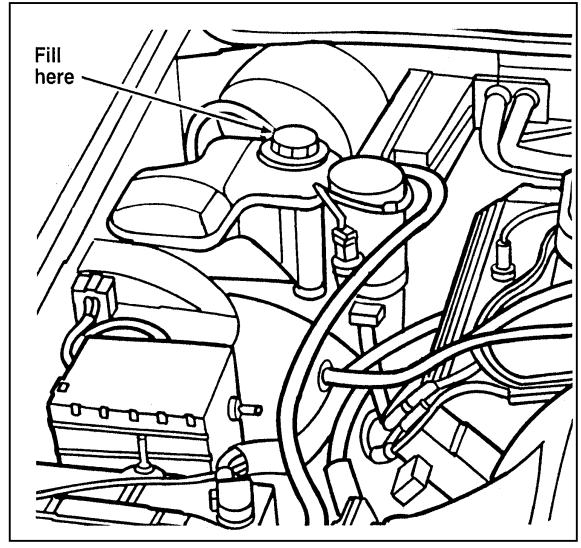
Engine Coolant

Checking the Engine Coolant

NOTE: Be sure to read and understand *Precautions When Servicing Your Vehicle* at the beginning of this chapter.

WARNING

The cooling fan is automatic and may come on at any time. Always disconnect the negative terminal of the battery before working near the fan.



The engine coolant reservoir

DEP
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Your vehicle's coolant protects your engine from overheating in the summer and from freezing in the winter. Check the level of the coolant at least once a month. Simply look at the engine coolant reservoir located in the engine compartment. To locate the reservoir, see the diagram of your vehicle's engine under *Engine Type*, in this chapter.

Check the engine coolant level in the engine coolant reservoir at least once a month using the following guidelines.

When your vehicle's engine is cool, the coolant level in the engine coolant reservoir should be at the COLD FILL level marked on the coolant reservoir. If the level is below the cold fill level, coolant may need to be added.

The coolant additives also protect the entire cooling system from internal passageway corrosion and these additives lubricate the water pump. The coolant should be serviced as noted in the *Maintenance Schedule* booklet.

Adding Engine Coolant

WARNING

Do not put engine coolant in the container for the windshield washer fluid.

If sprayed on the windshield, engine coolant could make it difficult to see through the windshield.

When the engine is cool, add a 50/50 mixture of engine coolant and water to the engine coolant recovery reservoir — DO NOT ADD DIRECTLY TO THE RADIATOR. Add straight water only in an emergency, but you should replace it with a 50/50 mixture of coolant and distilled water as soon as possible.

Check the coolant level in the coolant recovery reservoir the next few times you drive the vehicle. If necessary, add enough of a 50/50 mixture of coolant and water to bring the liquid level to the fill line on the reservoir.

DEP
DEALER E-PROCESS

WARNING

Never remove the coolant recovery cap while the engine is running or hot.

If you must remove the coolant recovery cap, follow these steps to avoid personal injury:

1. Before you remove the cap, turn the engine off and let it cool.
2. When the engine is cool, wrap a thick cloth around the cap and turn it slowly, counterclockwise to the first stop.
3. Step back while the pressure releases.
4. When you are sure that all the pressure has been released, use the cloth to press the cap down, turn it counterclockwise, and remove it.

Use Ford Premium Cooling System Fluid E2FZ-19549-AA (in Canada, Motorcraft CXC-8-B) or an equivalent premium engine coolant that meets Ford specification ESE-M97B44-A. Ford Premium Engine Coolant is an optimized formula that will protect all metals and rubber elastomers used in Ford cooling systems for 4 years or 50,000 miles (80,000 km).

Do not use alcohol or methanol antifreeze or any engine coolants mixed with alcohol or methanol antifreeze. Do not use supplemental coolant additives in your vehicle. These additives may harm your engine cooling system. The use of an improper coolant may void the warranty of your vehicle's engine cooling system.

Recycled engine coolant

Ford Motor Company recommends that Ford and Lincoln-Mercury dealers use recycled engine coolant produced by Ford-approved processes. Not all coolant recycling processes produce coolant which meets Ford specification ESE-M97B44-A, and use of such coolant may harm engine and cooling system components.

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Always dispose of used automotive fluids in a responsible manner. Follow your community's regulations and standards for recycling and disposing of automotive fluids.

Coolant refill capacity

To find out how much fluid your vehicle's cooling system can hold, refer to the *Capacities and Specifications* chapter.

Have your dealer check the engine cooling system for leaks if you have to add more than a quart (liter) of engine coolant per month.

Severe winter climate

If you drive in extremely cold climates (less than -34˚F [-36˚C]), it may be necessary to increase the coolant concentration above 50%. Refer to the chart on the coolant container to ensure the coolant concentration in your vehicle is such that the coolant will not freeze at the temperature level in which you drive during winter months. Never increase the engine coolant concentration above 60%. Leave a 50/50 mixture of engine coolant and water in your vehicle year-round in non-extreme climates.

Proper procedures for a complete coolant drain and flush of the cooling system can be found in the *Car Service Manual*. Following these recommended procedures will ensure that the specified coolant level and a 50/50 or appropriate mixture of coolant and water is maintained.

Engine Coolant Refill Procedure

When the entire cooling system is drained and refilled, the following procedure should be used to ensure a complete fill:

NOTE: It is imperative the following procedure be adhered to. Failure to do so could result in damage to your engine.

DEP
DEALER E-PROCESS

- ❑ With the engine OFF and cool, remove the pressure cap, located on the coolant reservoir. Remove the heater hose and clamp, located on the rear of the intake manifold.
- ❑ Add a 50/50 mixture of specified coolant and water to the coolant reservoir. Refer to *Refill Capacities* later in this chapter for the correct amount. Add coolant to the reservoir until the coolant continuously flows out of the tube in the rear of engine. Reattach hose and secure clamp.
- ❑ Reinstall the pressure cap to the fully installed position.
- ❑ Start and idle the engine until the radiator upper hose is warm (this indicates the thermostat is open and coolant is flowing through the entire system).
- ❑ Immediately shut off the engine and let cool. Cautiously remove the pressure relief cap and add a 50/50 mixture of specified coolant and water until the coolant is at the COLD FILL level in the coolant reservoir.
- ❑ Reinstall the pressure cap securely.
- ❑ Check for leaks at the draincock.
- ❑ Recheck the engine coolant level, using the recommended procedure, after one or two occasions of vehicle use.

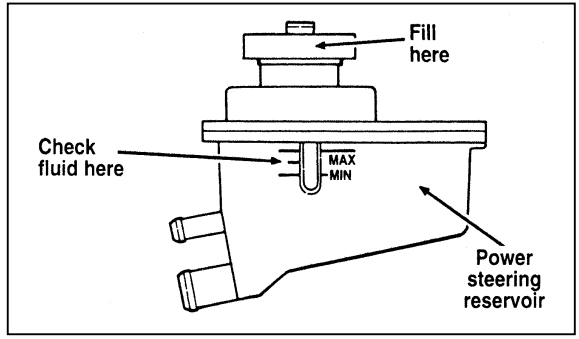
DEP DEALER E-PROCESS

Power Steering Fluid

Check the level of the power steering fluid at least twice a year (i.e., every Spring and Fall).

Checking and Adding Power Steering Fluid

1. Start the engine and let it run until the power steering fluid reaches normal operating temperature. The power steering fluid will be at the right temperature when the engine coolant temperature gauge in the instrument cluster is near the center of the NORMAL operating temperature range.
2. While the engine idles, turn the steering wheel back and forth several times. Make sure that the cap assembly is installed at this time.
3. Turn the engine off and check the level on the power steering reservoir.
4. The fluid level is viewed through the sight window on the power steering reservoir. If the power steering fluid is below the middle line, add fluid in small amounts, continuously checking the level. Do not overfill.



Fluid level for power steering

Use only MERCON® ATF power steering fluid.

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If the power steering fluid is low, do not drive your vehicle for a long period of time before adding fluid. This can damage the power steering pump.

Automatic Transmission Fluid

Under normal circumstances, you do not need to check the fluid level of the transmission, since your vehicle does not use up transmission fluid. Refer to the *Maintenance Schedule* booklet for replacement intervals. However, if the transmission is not working properly — for instance, the transmission may slip or shift slowly, or you may notice some sign of fluid leakage — the fluid level should be checked.

It is preferable to check the transmission fluid level at normal operating temperature 150˚F-170˚F (66˚C-77˚C), after approximately 20 miles (30 km) of driving. However, if necessary, you can check the fluid level without having to drive 20 miles (30 km) to obtain a normal operating temperature if outside temperatures are above 50˚F (10˚C).

NOTE: If the vehicle has been operated for an extended period at high speeds or in city traffic during hot weather, or pulling a trailer, the vehicle should be turned off for about 30 minutes to allow the fluid to cool before checking.

Checking the Automatic Transmission Fluid

With the vehicle on a level surface and the brake fully applied, start the engine and move the gear shift selector through all of the gears allowing sufficient time for each position to engage. Securely latch the gear shift selector in the P (Park) position. Fully set the parking brake and leave the engine running.

NOTE: Your vehicle should not be driven if the fluid level is below the bottom hole on the dipstick and outside temperatures are above 50˚F (10˚C).

Wipe off the dipstick cap and pull the dipstick out. Wipe the indicator end clean. Put the dipstick back into the filler tube and make sure it is fully seated.

DEP
DEALER E-PROCESS

Pull the dipstick out and read the fluid level.

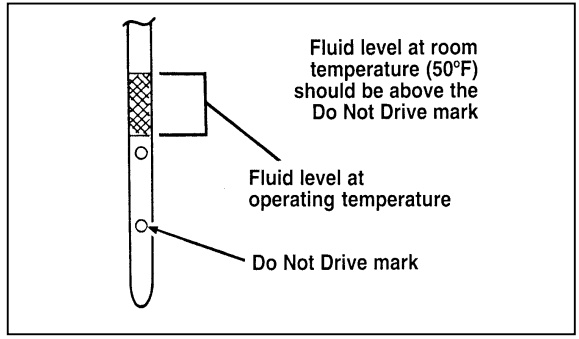
When checking fluid at normal operating temperatures 150˚F-170˚F (66˚C-77˚C), the fluid level should be within the crosshatched area on the dipstick. When the vehicle has not been driven, and outside temperatures are above 68˚F (20˚C), the fluid levels should be between the holes on the dipstick.

Adding Automatic Transmission Fluid

Before adding any fluid, be sure that the correct type will be used. Correct type is shown on the dipstick.

Add fluid in 1/2 pint (.25L) increments through the filler tube to bring the level to the correct area on the dipstick. DO NOT OVERFILL. If the level is above the top hole on the dipstick, excess fluid should be removed by a qualified technician.

NOTE: Always dispose of used automotive fluids in a responsible manner. Follow your community's standards for disposing of these types of fluids. Call your local recycling center to find out about recycling automotive fluids.



Automatic transmission dipstick

DEP
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Battery

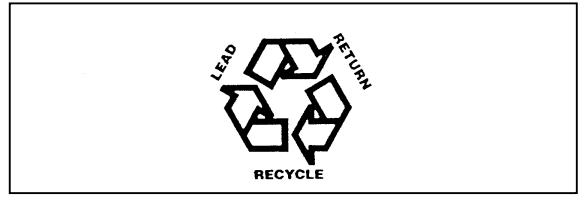
Your vehicle may have a Motorcraft maintenance-free battery. When the original equipment battery is replaced under warranty it may be replaced by a low-maintenance battery. See *Motorcraft Parts* at the end of this chapter for the proper replacement battery.

The low-maintenance battery has removable vent caps for checking the electrolyte level and adding water. The electrolyte level should be checked at least every 24 months or 24,000 miles (40,000 km) in temperatures up to 90˚F (32˚C) and more often in temperatures above 90˚F (32˚C). Keep the electrolyte level in each cell up to the level indicator. Do not overfill.

If the level gets low, refill the battery with distilled water. If necessary, you can add tap water to the battery, provided the water is not hard or does not have a high mineral or alkali content. If the battery needs water quite often, have the charging system checked for a possible malfunction.

Help Us Protect Our Environment

Ford Motor Company strongly recommends that used lead-acid batteries be returned to an authorized recycling facility for disposal.



Battery recycling symbol

Because your vehicle's engine is electronically controlled by a computer, some control conditions are maintained by power from the battery. If you ever disconnect the battery or install a new battery, you must allow the computer to "relearn" its idle conditions before your vehicle will drive properly. To let the engine do this, put the gearshift in P (Park), turn off all the accessories, and start the

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DEALER E-PROCESS

vehicle. Let the engine idle for at least one minute. (Engine must be warm in order to “learn.”) Also, allow approximately 10 miles (16 km) of stop and go traffic for your vehicle’s engine to completely “relearn” its idle.

If you do not let the engine relearn its idle, the idle quality of your vehicle may be adversely affected until the idle is relearned. Your vehicle will eventually relearn its idle while you drive it, but it takes much longer than if you use the previous procedure.

Wiper Blades

Check the windshield wiper blades at least twice a year. Also check them whenever they seem less effective than usual. Substances such as tree sap and some hot wax treatments used by commercial car washes reduce the effectiveness of wiper blades.

If the blades do not wipe properly, clean both the windshield and the wiper blades. Use undiluted windshield washer solution or a mild detergent. Rinse thoroughly with clear water. Do not use fuel, kerosene, paint thinner, or other solvents to clean your wiper blades. These will damage your blades.

To make reaching the wiper blades easy, simply turn the ignition to the ACC position and turn your wipers on. Wait for them to reach a vertical position and turn the ignition to the OFF position. Do not move the wipers manually. Manually moving the wipers across the windshield may damage them.

Wiper blade replacement

If the wiper blades still do not work properly after you clean them, you may need to replace the wiper blade assembly or the blade element. When replacing the wiper blade assembly, blade refill, or wiper arm always use a Motorcraft part or equivalent. To replace the blades, follow the instructions that come with them.

DEP
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Tires

- ❑ Use an accurate tire pressure gauge.
- ❑ Check the tire pressure when tires are cold, after the vehicle has been parked for at least one hour or has been driven less than 3 miles (5 km).
- ❑ Adjust tire pressure to recommended specifications found on the Safety Compliance Certification Label.

WARNING
Improperly inflated tires can affect vehicle handling and can fail suddenly, possibly resulting in loss of vehicle control.

Tire Rotation

Because your vehicle's front and rear tires perform different jobs, they often wear differently. To make sure your tires wear evenly and last longer, rotate them as indicated in the following diagram.

Do not include the spare tire as part of your rotation.

For tire rotation intervals, see the *Maintenance Schedule*. If you notice that the tires wear unevenly, have them checked.

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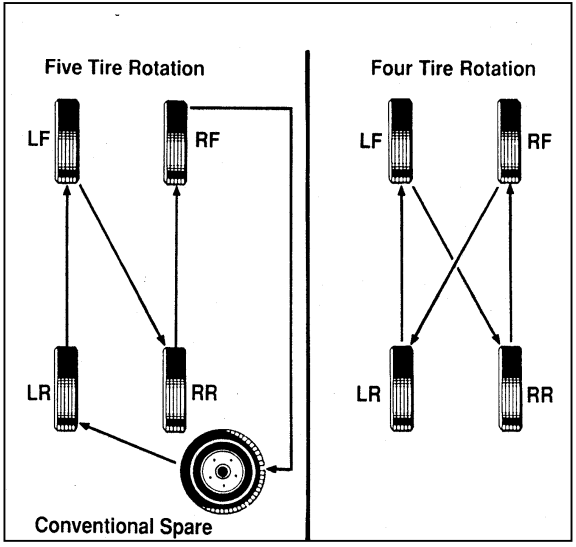


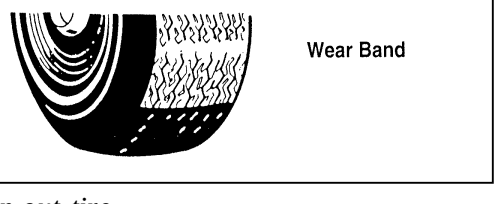
Rotating the tires

NOTE: Use the five tire rotation only when the conventional spare wheel is the same as road wheels. (Do not mix the steel wheel with aluminum wheels in tire rotation sequence).

WARNING
Do not use the temporary spare tire in the tire rotation.

Replacing the Tires

Replace any tires that show wear bands. When your tire shows a wear band, it has only 1/16 inch (2 mm) of tread left.



A worn-out tire

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Because your vehicle's tires may wear unevenly, you may need to replace them before a wear band appears across the entire tread.

WARNING

When replacing full size tires, never mix radial, bias-belted, or bias-type tires. Use only the tire sizes that are listed on the tire pressure decal. Make sure that all tires are the same size, speed rating, and load-carrying capacity. Use only the tire combinations recommended on the decal. If you do not follow these precautions, your vehicle may not drive properly and safely.

Tires that are larger or smaller than your vehicle's original tires may also affect the accuracy of your speedometer.

Information About Tire Quality Grades

New vehicles are fitted with tires that have their Tire Quality Grade (described below) molded into the tire's sidewall. These Tire Quality Grades are determined by standards that the United States Department of Transportation has set.

Tire Quality Grades apply to new pneumatic tires for use on passenger cars. They do not apply to deep tread, winter-type snow tires, space-saver or temporary use spare tires, tires with nominal rim diameters of 10 to 12 inches or limited production tires as defined in Title 49 Code of Federal Regulations Part 575.104(c)(2).

U.S. Department of Transportation — Tire quality grades: The U.S. Department of Transportation requires Ford to give you the following information about tire grades exactly as the government has written it.

DEP DEALER E-PROCESS

Treadwear

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and one-half (1 1/2) times as well on the government course as a tire graded 100. The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

Traction A B C

The traction grades, from highest to lowest, are A, B, and C, and they represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.

WARNING

The traction grade assigned to this tire is based on brakinig (straightahead) traction tests and does not include cornering (turning) traction.

Temperature A B C

The temperature grades are A (the highest), B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. The grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

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WARNING

The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure.

WARNING

Driving too fast for conditions creates the possibility of loss of vehicle control. Driving at very high speeds for extended periods of time may result in damage to vehicle components.

Snow tires and chains

The tires on your vehicle have all-weather treads that provide traction in rain or snow. However, during the winter months in some climates, you may need to use snow tires and occasionally chains for your tires.

Do not use chains when using a temporary spare. For full size tires, use chains on the tires only in an emergency or if the law requires them where you live. When you use the tire chains:

- ❑ Make sure the chains are the right size for your tires. Use only SAE Class "S" chains. Other types may damage your vehicle.
- ❑ Put the chains on tightly with the ends held down securely. Verify that no chain touches any wiring, brake lines, or fuel lines. Follow the chain manufacturer's instructions.
- ❑ Drive slowly. If you can hear the chains rub or bang against your vehicle, stop the vehicle and tighten the chains. If you continue to hear the chains rub or bang against your vehicle, remove the chains to prevent damage to your vehicle.

DEP DEALER E-PROCESS

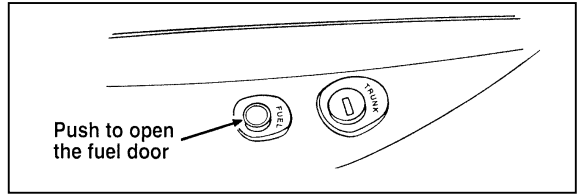
The tires on your vehicle have all-weather treads that provide traction in rain or snow. However, during the winter months in some climates, you may need to use snow tires.

WARNING
Snow tires must be the same size and grade as the tires you currently have on your vehicle.

Filling the Fuel Tank

Your vehicle is equipped with a locking fuel door. You can open the door by pressing the button located on the lower door trim panel.

The fuel filler door is outside the vehicle on the driver's side near the back. To fill the fuel tank:



The remote fuel door button

If the remote release is inoperative, open the trunk decklid and pull the remote fuel filler door override handle located inside the trunk (left side) to open the fuel filler door.

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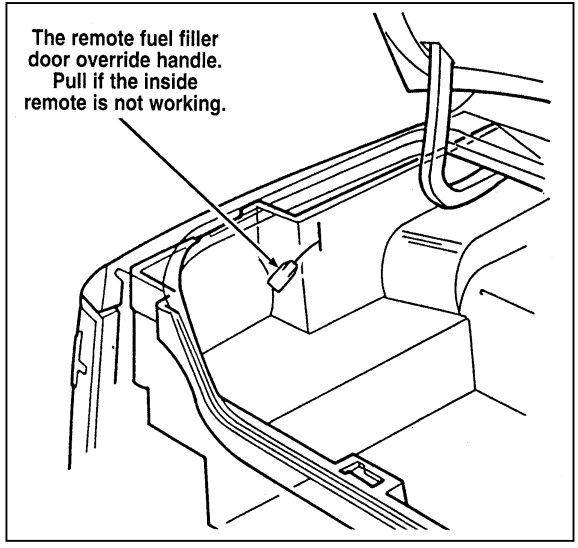

The remote fuel filler door override handle

1. After opening the fuel filler door, remove the cap carefully and slowly by turning it counterclockwise 1/2 to 3/4 turn. If a hissing sound is heard, wait until it stops, then continue turning until the cap is free.

WARNING

The fuel system may be under pressure. If the fuel cap is venting vapor or if you hear a hissing sound, wait until it stops before completely removing the cap.

2. Make sure that you pump unleaded fuel and put the nozzle all the way inside the fuel filler pipe.

NOTE: If you spill any fuel on the body of your vehicle, clean it off immediately. The fuel may dull or soften the paint if you do not wash it off.

DEP DEALER E-PROCESS

3. Replace the fuel cap completely when you are finished. Turn it clockwise 1/4 turn until it is tight. It will click when it is fully tightened.
4. Push the fuel door closed.

WARNING

If you do not use the proper fuel cap, the pressure in the fuel tank can damage the fuel system or cause it to work improperly in a collision.

NOTE: If you replace your fuel cap with an aftermarket fuel filler cap, the customer warranty may be void for any damage to the fuel tank and/or fuel system.

Choosing the Right Fuel

Use only UNLEADED FUEL. The use of leaded fuel is prohibited by law and could damage your vehicle. The damage may not be covered by your warranty.

Your vehicle was not designed to use fuel containing manganese-based additives such as MMT. Additionally, vehicles certified to California emission standards (indicated on the underhood Vehicle Emissions Control Information label) are designed to operate on California reformulated gasolines. If California reformulated gasoline is not available when you refuel, your vehicle can be operated on non-California fuels. However, even though your engine will perform adequately on other gasolines, the performance of the emission control devices and systems may be adversely affected. Repair of damage caused by using a fuel that your vehicle was not designed for may not be covered by your warranty.

Octane recommendation

Your vehicle is designed to use regular gasoline with an (R+M)/2 octane rating of 87. We do not recommend gasolines labeled as “regular” in high altitude areas that are sold with octane ratings of 86 or even less.

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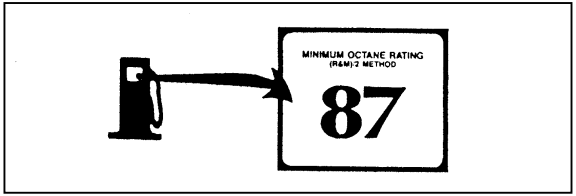

Typical octane rating label

Do not be concerned if your vehicle sometimes knocks lightly. However, if it knocks heavily under most driving conditions on the recommended octane fuel, see your dealer or a qualified service technician to prevent any engine damage.

Fuel quality

If you are experiencing starting, rough idle or hesitation problems try a different brand of fuel. If the condition persists, see your dealer or a qualified service technician.

The American Automobile Manufacturers Association (AAMA) issued a gasoline specification to provide information on high quality fuels that optimize the performance of your vehicle. We recommend the use of gasolines that meet the AAMA specification if they are available.

It should not be necessary to add any aftermarket products to your fuel tank if you continue to use a high-quality fuel.

Cleaner Air

Ford approves the use of gasolines to improve air quality, including reformulated gasolines that contain oxygenates such as a maximum of 10% ethanol or 15% MTBE. There should be no more than 5% methanol with cosolvents and additives to protect the fuel system.

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Safety Information Relating to Automotive Fuels

WARNING

Automotive fuels can cause serious injury or death if misused or mishandled.

- ❑ Turn vehicle off when refueling.
- ❑ Do not smoke when refueling. Fuels are extremely flammable.
- ❑ Do not siphon any fuel by mouth.

WARNING

Gasoline or gasoline blended with methanol can cause blindness and possible death when swallowed. If any fuel is swallowed, call a physician or poison control center immediately.

- ❑ Avoid breathing vapors while refueling.
- ❑ If fuel is splashed on the skin, wash with soap and water.
- ❑ If fuel is splashed in the eyes, remove contact lenses (if worn), flush with water for 15 minutes, and seek medical attention.

Gasoline and gasoline blends may contain small amounts of carcinogens, such as benzene. Long-term exposure to unleaded gasoline vapors has caused cancer in laboratory animals.

If you are taking the medication “Antabuse” or other forms of disulfiram for the treatment of alcoholism, vapor or skin contact with a gasoline-methanol blend, may cause the same kind of adverse reaction as drinking an alcoholic beverage. In sensitive individuals, serious personal injury or sickness could result. Consult a physician promptly if you experience an adverse reaction.

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Running Out of Fuel

NOTE: Avoid running out of fuel because this situation may have an adverse effect on modern powertrain components.

You may need to crank the engine several times before the fuel system starts to pump fuel from the tank to the engine.

If the engine does not start, check the fuel pump shut-off switch and reset as required. See *Fuel pump shut-off switch* in the Index.

WARNING

Never pour fuel in the throttle body or attempt to start the engine with the air cleaner removed. Doing so could result in fire and personal injury.

Fuel Economy

Fuel economy is an estimate of the efficiency of your vehicle and can be calculated as Miles Per Gallon (MPG) or Liters Per 100 Kilometers (L/100K).

Do not calculate fuel economy during your vehicle's break-in period. This would not be an accurate estimate of how much fuel your vehicle will normally use.

To calculate fuel economy:

1. Fill the tank completely and record the initial odometer reading.
2. Every time you buy fuel record the amount (in gallons or liters) purchased.
3. After at least three to five tankfuls, fill the fuel tank and record the final odometer reading.
4. Use these equations to calculate your fuel economy.

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- ❑ English: MPG = (total miles)/(gallons used).
- ❑ Metric: L/100K = (liters used) x 100/(total kilometers)

Comparisons With Environmental Protection Agency (EPA) and Transport Canada (TC) Fuel Economy Estimates

EPA fuel economy figures are obtained from laboratory tests under simulated road conditions and may not reflect the actual conditions you experience or your style of driving. The EPA fuel economy estimate is not a guarantee that you will achieve the fuel economy shown.

The following decrease fuel economy:

- ❑ Lack of regular, scheduled maintenance
- ❑ Rapid acceleration and excessive speed
- ❑ Driving with your foot on the brake
- ❑ Sudden stops
- ❑ Extended engine idling
- ❑ Using speed control in hilly terrain
- ❑ Extended use of the A/C, defroster, rear window defroster and other accessories
- ❑ Underinflated tires
- ❑ Heavy loads
- ❑ Aftermarket add-ons such as bike, ski or luggage racks, bug deflectors, etc.

Self-Service Pointers

If you choose to do your own fueling, you should also perform a few simple maintenance routines. This extra effort will save you additional money and contribute to the driving efficiency of your vehicle.

The following procedures require only a tire gauge, a rag, an oil can spout and windshield washer fluid.

- ❑ Check the engine oil at every refueling stop
- ❑ Clean the windshield, outside mirrors and headlights

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- ❑ Check windshield washer fluid
- ❑ Check tires for excessive wear or worn edges
- ❑ Check the tire pressure at least monthly

Emission Control System

Your vehicle is equipped with a catalytic converter which enables your vehicle to comply with applicable exhaust emission requirements.

WARNING

Exhaust leaks may result in the entry of harmful and potentially lethal fumes into the passenger compartment. Under extreme conditions excessive exhaust temperatures could damage the fuel system, the interior floor covering, or other vehicle components, possibly causing a fire.

To make sure that the catalytic converter and the other emission control parts continue to work properly:

- ❑ Use only unleaded fuel.
- ❑ Avoid running out of fuel.
- ❑ Do not push start your vehicle.
- ❑ Have the services listed in the *Maintenance Schedule* booklet performed according to the specified schedule. The scheduled maintenance services are required because they are considered essential to the life and performance of your vehicle and to its emissions system.

In general, maintenance, replacement, or service of the emissions control devices or systems in your new Ford Motor Company vehicle or engine may be performed at your expense by any automotive repair establishment or individual using automotive parts equivalent to those which your vehicle or engine was originally equipped.

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Ford strongly recommends the use of genuine Ford replacement parts. If other than Ford or Motorcraft parts or Ford authorized remanufactured parts are used for maintenance replacements or for the service of components affecting emission control, such non-Ford parts should be equivalent to genuine Ford Motor Company parts in performance and durability. It is the owner's responsibility to determine the equivalency of such parts. Please consult your warranty booklet for complete warranty information.

WARNING

Do not park, idle, or drive your vehicle in dry grass or other dry ground cover. The emission system heats up the engine compartment and exhaust system, which can start a fire.

Watch for fluid leaks, strange odors, smoke, loss of oil pressure, the charge warning light, the check engine light, or the temperature warning light. These sometimes indicate that the emission system is not working properly.

Do not make any unauthorized changes to your vehicle or engine. Changes that cause more unburned fuel to reach the exhaust system can increase the temperature of the engine or exhaust system.

By law, anyone who manufactures, repairs, services, sells, leases, trades vehicles, or supervises a fleet of vehicles is not permitted to intentionally remove an emission control device or prevent it from working. In some of the United States and in Canada, vehicle owners may be liable if their emission control device is removed or is prevented from working.

Do not drive your vehicle if it does not operate properly. See your dealer if the engine runs on for more than five seconds after you shut it off or if it misfires, surges, stalls, or backfires.

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Information about your vehicle's emission control system is on the Vehicle Emission Control Information decal located on or near the engine. This decal identifies engine displacement and gives some tune-up specifications.

How to Prepare Your Vehicle for Inspection/Maintenance (I/M) Testing

In some localities it may become a legal requirement to pass an Inspection/Maintenance (I/M) test of the On-Board Diagnostic (OBD) II system. If the vehicle's powertrain system or its battery has just been serviced, the OBD II system is reset to a not ready for I/M testing condition. To prepare for I/M testing, the law specifies that additional city and highway driving is necessary to complete the check of the OBD II system.

The driving modes required to reach the ready condition consist of a minimum of 30 minutes of city and highway driving as described below:

- ❑ At least twenty minutes driving in stop and go, city type traffic with at least four idle periods.
- ❑ At least ten minutes of driving on an expressway or highway.

Before completing the above driving modes, the engine must be warmed up and at operating temperature. Once started, the vehicle must not be turned off during these driving modes.

Lights and Bulb Replacement

It is a good idea to check the operation of the following lights frequently:

- ❑ headlamps
- ❑ high-mount brakelamp
- ❑ tail lamps
- ❑ brakelamps
- ❑ hazard flasher

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- ❑ turn signals
- ❑ side markers
- ❑ license plate lamps

The alignment of your headlamps should be checked if:

- ❑ oncoming motorists frequently signal you to turn off your vehicle's high beams when you do not have the high beams on
- ❑ the headlamps do not seem to give you enough light to see clearly at night
- ❑ the headlamp beams are pointed substantially away from a position slightly down and to the right

Headlamp Bulb

The headlamps on your vehicle use replaceable bulbs. When the lamp burns out, simply replace the bulb, rather than the whole lamp.

WARNING

Handle a halogen headlamp bulb carefully and keep out of children's reach. Grasp the bulb only by its plastic base and do not touch the glass. The oil from your hand could cause the bulb to break the next time the headlamps are operated.

Do not remove the burned-out bulb unless you can immediately replace it with a new one. If a bulb is removed for an extended period of time, contaminants may enter the headlamp housing and affect its performance.

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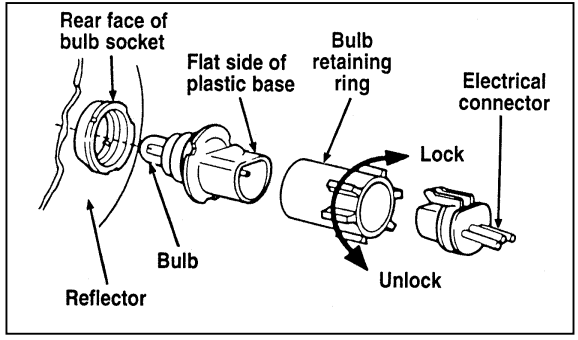

Parts of a headlamp

Removing the headlamp bulb

1. Make sure that the headlamp switch is in the OFF position.
2. Lift the hood, open access panel above headlamp and find the bulb in the headlamp socket.
3. Remove the electrical connector from the bulb by grasping the wire with a quick pull rearward.
4. Remove the retaining ring by turning it 1/8 of a turn to free it from the socket. Then slide the ring off the plastic base. Keep the ring. You must use it again to hold the new bulb in place.

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Installing the headlamp bulb

1. With the flat side of the bulb's plastic base facing upward, insert the glass end of the bulb into the socket. You may need to turn the bulb left or right to line up the grooves in the plastic base with the tabs in the socket. When the grooves are aligned, push the bulb into the socket until the plastic base contacts the rear of the socket.
2. Slip the bulb retaining ring over the plastic base until it contacts the rear of the socket. Lock the ring into the socket by rotating it clockwise until you feel a "stop."
3. Push the electrical connector into the rear of the plastic base until it snaps, locking it into position.
4. Turn the headlamps on and make sure that they work properly. If the headlamp was correctly aligned before you changed the bulb, you should not need to align it again.

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Function	Trade number
Exterior lights	
Tail lamp, brakelamp, turn lamp	3157K
Backup lamp	3156K
Side marker lamp — front	914 NA*
Front park, turn lamp	3157 NA*K
Headlamp (high & low)	9004
Cornering lamp	3156
License plate lamp	194
High-mount brakelamp	912
Interior lights	
Luggage compartment lamp	906
Map lamp	211-2
Visor vanity lamp	168
Door courtesy lamp	904
Engine compartment lamp	906
Instrument panel lights	
Glove compartment	194
Rear window defroster switch	••
Heated windshield switch	••
Fuel door release switch	••
Warning lights (all) (std.)	194
Radio illumination	•
Compact disc illumination (opt.)	•••
High beam indicator (std.)	194
Turn signal indicator (std.)	194
Low fuel warning light (std.)	194
I/P ashtray lamp	161
Cigar lighter lamp	1445
Instrument panel lights	194
Headlamp nomenclature	1816
Autolamp nomenclature	1816
Automatic climate control	161
"PRNDL" (std./elect.)	194/37

*NA means Natural Amber.
• Refer bulb replacement to a Ford authorized radio service center.
•• Refer bulb replacement to a Ford or Lincoln-Mercury dealer.
••• Refer bulb replacement to manufacturer (Sony)

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Cleaning Your Vehicle

Washing and Polishing Your Vehicle

Wash the outside of your vehicle, including the underside, with a mild detergent.

DO NOT:

- ❑ Wash your vehicle with hot water
- ❑ Wash your vehicle while it sits in direct sunlight
- ❑ Wash your vehicle while the body is hot

Pollen, bird droppings and tree sap can damage the paint, especially in hot weather. Wash your vehicle as often as necessary to keep it clean.

Take similar precautions if your vehicle is exposed to chemical industrial fallout.

Paint damage resulting from fallout is not related to a defect inpaint materials or workmanship and therefore is not covered by warranty. Ford, however, believes that continual improvement in customer satisfaction is a high priority. For this reason, Ford has authorized its dealers to repair, at no charge to the owner, the surfaces of new vehicles damaged by envireonmental fallout within 12 months or 12,000 miles (20,000 km) of purchase, whichever comes first. Customers may be required to bring their vehicle in for inspection by a Ford representative.

Polish your vehicle to remove harmful deposits and protect the finish.

Cleaning Chrome and Aluminum Parts

Wash chrome and aluminum parts with a mild detergent. Do not use steel wool, abrasive cleaners, fuel, or strong detergents.

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Cleaning Plastic Parts

Some of your vehicle's exterior trim parts are plastic. Clean with a tar and road oil remover if necessary. Use a vinyl cleaner for routine cleaning.

Do not clean plastic parts with thinners, solvents or petroleum-based cleaners.

If you have your vehicle rustproofed, remove oversprayed rustproofing with a tar and road oil remover. If rustproofing is not removed from plastic and rubber parts, it can cause deterioration.

Cleaning the Safety Belts

Clean the safety belts with any mild soap solution that is recommended for cleaning upholstery or carpets. Do not bleach or dye the belt webbing because this may weaken it.

Cleaning the Instrument Panel Lens

Clean the instrument panel lens and woodtone trim with a soft cloth and a glass cleaner. Do not use paper towel or any abrasive cleaner to clean either the lens or the woodtone trim as these may cause scratches.

Cleaning the Exterior Lamps

Do not use dry paper towel, chemical solvents or abrasive cleaners to clean the lamps, as these may cause scratches or crack the lamps.

Cleaning the Interior Lamps

Your interior dome lamps and map lamps are plastic and should be cleaned with a mild detergent diluted in water. Rinse them with clear water.

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Cleaning the Seats

Leather

For routine cleaning, wipe the surface with a soft, damp cloth. For more thorough cleaning, wipe the surface with a leather and vinyl cleaner or a mild soap.

Wipe the surface with a damp, soft cloth, then dry and buff with a dry, soft cloth.

Fabric

Remove dust and loose dirt with a whisk broom or a vacuum cleaner. Remove fresh spots immediately. Follow the directions that come with the cleaner.

NOTE: Before using any cleaner, test it on a small, hidden area of fabric. If the fabric's color or texture is adversely affected by a particular cleaner, do not use it.

Cleaning the Wheels

Wash the wheels with the same detergent you use to wash your vehicle's body. Do not use acid-based wheel cleaners, steel wool, abrasives, fuel, or strong detergents. These substances will damage protective coatings. Use tar and road oil remover to remove grease and tar.

NOTE: Before going to a car wash, find out if the brushes are abrasive.

If you have whitewall tires that are difficult to clean with regular detergent, use whitewall tire cleaner. Follow the directions on the container and rinse the tires with plenty of clean water.

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Refill Capacities, Motorcraft Parts, and Lubricant Specifications

Motorcraft Parts

If you replace these parts...	Use the Motorcraft Service Part with this part number...
• spark plug*	AWSF-32PP**
• air filter	FA-1032
• fuel filter	FG-800A
• oil filter	FL-820S
• PCV valve	EV-98
• battery standard heavy duty or optional	 BXT-65-650 BXT-65-750

*Refer to Vehicle Emission Control Information (VECI) decal for spark plug and gap specifications.

**If a spark plug is removed for examination, it must be reinstalled in the same cylinder. Cylinders 1, 2, 3, 4 have a PG suffix, cylinder 5, 6, 7, 8 have a P suffix. If a spark plug needs to be replaced, use only spark plugs with the service part number suffix letter "PP" as shown on the engine decal.

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Fluid Specifications and Capacities

FLUID	FORD PART NAME	VEHICLE TYPE	CAPACITY
Brake Fluid	High Performance DOT 3 Brake Fluid	All	Fill to line in reservoir[2]
Engine Coolant (including heater)	Premium Cooling System Fluid	All	14.1 qts (13.3L)
Engine Oil	Motorcraft Motor Oil 5W-30 Super Premium	All	5.0 qts[1] (4.7L)
Fuel	N/A	All	20.0 gal (75.7L)
Power Steering Fluid	Motorcraft MERCON® ATF	All	3.5 pints (1.7L)
Rear Axle	Motorcraft Premium Rear Axle Lubricant	Conventional and Traction-Lok[3] 7.5" ring gear 8.8" ring gear	 3.25 pints[4] (1.5L) 3.75 pints[4] (1.7L)
Transmission Fluid Automatic	Motorcraft MERCON® ATF	All	13.9 qts (13.1L)
Windshield Washer	Ultra-Clear Windshield Washer Concentrate	All	Fill to top of reservoir[2]

1: Includes 1 qt for filter replacement
2: Refer to *Index* for refill instructions
3: For Traction-Lok add 4 oz. C8AZ-19B546-A (EST-M2C118-A) Friction Modifier for complete refill of rear axle.
4: Service refill capacities are determined by filling the rear axle 1/4" to 9/16" below bottom of filler hole.

NOTE: Rear axle lube quantities must be replaced every 100,000 miles (160,000 km) or if the axle has been submerged in water. Otherwise, the lube should not be checked or changed unless a leak is suspected or repair required.

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Lubricant Specifications

Item	Ford Part No.	Part Name	Ford Specification
Brake Master Cylinder	C6AZ-19542-AA	Ford High Performance DOT 3 Brake Fluid	ESA-M6C25-A
Hinges, Hood Latch and Auxiliary Latch	D0AZ-19584-AA	Multi-Purpose Grease	ESB-M1C93-A
Lock Cylinders	E8AZ-19A501-B	Ford Penetrating Lubricant	N/A
Automatic Overdrive Trans. (4R70W)	XT-2-QDX	Motorcraft MERCON® Auto. Trans. Fluid	MERCON®
Front Suspension Lower Ball Joints	XG-1-C	Premium Long Life Grease	ESA-M1C75-B
Steering Linkage Tie Rods	XG-1-C	Premium Long Life Grease	ESA-M1C75-B
Engine Coolant	E2FZ-19549-AA	Ford Premium Cooling System Fluid	ESE-M97B44-A
Power Steering (Pump Reservoir)	XT-2-QDX	Motorcraft Auto Trans. & Power Steering MERCON®	MERCON®
Engine Oil	X0-5W30-QSP	Motorcraft 5W30 Super Premium	ESE-M2C-153-E and API Certification Mark
Engine Oil Filter	F1AZ-6731-A (FL-820)	Motorcraft Oil Filter Long Life Type	ES-F1AE-6714-AB
Door Weatherstrips	C0AZ-19553-AA	Silicone Lubricant	ESR-M13P4-A
Rear Axle Conv. Traction-Lok (1)	XY-80W90-QL or -KL	Premium Rear Axle Lubricant	WSP-M2C197-A
Throttle Valve (TV) Linkage	XG-1-C	Long Life Grease	ESA-M1C75-B

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NOTE: Rear axle lube quantities must be replaced every 100,000 miles (160,000 km) or if the axle has been submerged in water. Otherwise, the lube should not be checked or changed unless a leak is suspected or repair required.

Vehicle Storage

Maintenance Tips

If you plan on storing your vehicle for an extended period of time (60 days or more), refer to the following maintenance recommendations to ensure your vehicle stays in good operating condition.

General

- ❑ Store all vehicles in a dry, ventilated place.
- ❑ Protect from sunlight, if possible.
- ❑ If vehicles are stored outside, they require regular maintenance to protect against rust and damage.

Body

- ❑ Wash vehicle thoroughly to remove dirt, grease, oil, tar or mud from exterior surfaces, rear wheel housing and underside of front fenders.
- ❑ Periodically wash vehicles stored in exposed locations.
- ❑ Touch-up raw or primed metal to prevent rust.
- ❑ Cover chrome and stainless steel parts with a thick coat of auto wax to prevent discoloration. Re-wax as necessary when the vehicle is washed.
- ❑ Lubricate all hood, door and trunk lid hinges and latches with a light grade oil.
- ❑ Cover interior soft trim to prevent fading.
- ❑ Keep all rubber parts free from oil and solvents.

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Engine

- ❑ Start engine every 15 days. Run at fast idle until it reaches normal operating temperature.
- ❑ With your foot on the brake, shift through all the gears while the engine is running.

Fuel system

- ❑ Fill fuel tank with high-quality, premium unleaded fuel until the first automatic shutoff of the fuel pump nozzle.

NOTE: During extended periods of vehicle storage (60 days or more), fuel may deteriorate due to oxidation. This can damage rubber and other polymers in the fuel system and may also clog small orifices.

Ford Gas Stabilizer should be added whenever actual or expected storage periods exceed 60 days. Follow the instructions on the label. The vehicle should then be operated at idle speed to circulate the additive throughout the fuel system.

A volatile corrosion inhibitor added to the fuel system will protect the fuel system's inner surfaces from corrosion. Follow the instructions packaged with the product.

Cooling system

- ❑ Protect against freezing temperatures.

Battery

- ❑ Check and recharge as necessary.
- ❑ Keep connections clean and covered with a light coat of grease.
- ❑ If storing your vehicle for more than 30 days without recharging the battery, disconnect the battery cables to ensure battery charge is maintained for quick starting. NOTE: If battery cables are disconnected, it will be necessary to reset any memory features (eg. radio presets).

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Brakes

❑ Make sure brakes and parking brake are fully released.

Tires

❑ Maintain recommended air pressures.

Miscellaneous

❑ Make sure all linkages, cables, levers and clevis pins under vehicle are covered with grease to prevent rust.

❑ Move vehicles at least 25 feet (8 m) every 15 days to lubricate working parts and prevent corrosion.

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Reporting Safety Defects (U.S. Only)

Reporting Safety Defects (U.S. Only)

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Ford Motor Company.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Ford Motor Company.

To contact NHTSA, you may either call the Auto Safety Hotline toll-free at 1-800-424-9393 (or 366-0123 in the Washington, D.C. area) or write to: NHTSA, U.S. Department of Transportation, 400 Seventh Street, Washington D.C. 20590. You can also obtain other information about motor vehicle safety from the Hotline.

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Customer Assistance

If You Have a Service Problem

Ford Motor Company has authorized Ford and Lincoln-Mercury dealerships that can service your vehicle for you. This chapter tells you how to get service or maintenance for your vehicle.

Service/Maintenance Concerns (U.S. or Canada)

Ford recommends taking your vehicle to your selling dealer who wants to ensure your continued satisfaction. You may, however, take your vehicle to any authorized Ford or Lincoln-Mercury dealer. In most cases, your dealer will be able to resolve your concern.

If you are not satisfied with the service you received from your dealership's service department, talk to the service manager at the dealership, or if you still are not satisfied, talk to the owner or general manager of the dealership. In most cases, you will have your concern resolved at this level.

If you are away from home when your vehicle needs to be serviced, or if you need more help than the dealer gave you, contact the Ford Customer Assistance Center to find an authorized dealership that may be able to help you.

Ford Motor Company
Lincoln Customer Assistance Center
300 Renaissance Center
P.O. Box 43360
Detroit, MI 48243
1-800-521-4140
TDD for the hearing impaired: 1-800-232-5952

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If you have any questions or concerns that the dealership cannot answer, contact the Customer Assistance Center.

If you still have a complaint involving a warranty dispute, you may wish to contact the Dispute Settlement Board (U.S. only) or the Canadian Motor Vehicle Arbitration Plan (CAMVAP) in Canada.

A warranty dispute must be submitted to the Dispute Settlement Board before taking action under the Magnuson-Moss Warranty Act, or to the extent allowed by state law, before pursuing replacement or repurchase remedies provided by certain state laws. This dispute handling procedure is not required prior to enforcing state created rights or other rights which are independent of the Magnuson-Moss Warranty Act or state replacement or repurchase laws.

The Dispute Settlement Board (U.S. Only)

The Dispute Settlement Board is:

- ❑ an independent, third-party arbitration program for warranty disputes
- ❑ available free to owners and lessees of qualifying Ford Motor Company vehicles

The Dispute Settlement Board may not be available in all states. Ford Motor Company reserves the right to change eligibility limitations, modify procedures and/or to discontinue this service without notice and without incurring obligations.

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What Kind of Cases Does the Board Review?

The Board reviews all warranty performance complaints on Ford, Mercury and Lincoln cars and Ford and Mercury light trucks under the new vehicle limited warranty that have not been resolved by either a dealer or Ford Motor Company, except those involving:

- ❑ a non-Ford product
- ❑ a non-Ford dealership
- ❑ a vehicle sales transaction
- ❑ request for reimbursement of consequential expenses. Expenses incidental to the warranty complaint being reviewed are eligible for consideration.
- ❑ items not covered by the new vehicle limited warranty
- ❑ items covered by a service contract
- ❑ alleged liability claims
- ❑ property damage where the damage is significant when compared to the economic loss alleged under the warranty dispute
- ❑ cases currently in litigation
- ❑ vehicles not used primarily for family, personal, or household purposes (except in states where the Dispute Settlement Board is required to review commercial vehicles)

Complaints involving vehicles in which applicable new vehicle limited warranties have expired at receipt of your application are not eligible. Eligibility may differ according to state law. For example, see the unique brochures for California and Wisconsin purchasers/lessees.

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How does the Board Work?

The Board consists of:

- ❑ three consumer representatives
- ❑ a Ford or Lincoln/Mercury dealer

Consumer candidates for Board membership are recruited and trained by an independent consulting firm. Dealers are chosen because of their business leadership qualities.

What the Board needs

To have your case reviewed you must complete the application in the DSB brochure and mail it to the address provided on the application form.

Your application is reviewed and, if it is determined to be eligible, you will receive an acknowledgment indicating:

- ❑ the file number assigned to your application
- ❑ the toll-free phone number of the DSB's independent administrator

Your dealership and a Ford Motor Company representative are asked to submit statements at this time.

To review your case properly, the Board needs the following information:

- ❑ legible copies of all documents and maintenance or repair orders relevant to the case
- ❑ the year, make, model, and Vehicle Identification Number (VIN) listed on your vehicle ownership license
- ❑ the date of repair(s) and mileage at the time of occurrence(s)
- ❑ the current mileage
- ❑ the name of the dealer who sold or serviced the vehicle

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- ❑ a brief description of your unresolved concern
- ❑ a brief summary of the action taken with the dealer and Ford Motor Company
- ❑ the names (if known) of all the people you contacted at the dealership
- ❑ a description of the action you expect to resolve your concern

Should your case NOT qualify for review, a letter of explanation will be mailed to you.

Oral presentations

If the involved vehicle is within 36 months and 36,000 miles of the warranty start date, you have the right to make an oral presentation before the Board. Indicate your choice to do so on the application. Oral presentations may also be requested by the Board.

Making a decision

Board members will review all available information related to the complaint, including oral presentations, if necessary. They then arrive at a fair and impartial decision, decided by a simple majority vote.

Because the Board usually meets only once a month, some cases may take longer than 30 days to be reviewed. The Board makes every effort to resolve each case within 40 days of receiving the consumer application form.

After your case is reviewed, the Board mails you a decision letter. The Board also provides a form on which to accept or reject the Board's decision. The decisions of the Board are binding on the dealer and Ford, but not on consumers who may elect to pursue other remedies available to them under state or federal law. Decisions of the Board may be presented as evidence by any party in subsequent legal proceedings that may be initiated, where allowed by law.

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To Request a DSB Brochure/Application

For a brochure/application, speak to your dealer or write to the Board at the following address:

Ford of Canada Customer Assistance

If you live in Canada and have any questions or concerns that the dealership cannot answer, contact the Lincoln Centre.

The Lincoln Centre
Ford Motor Company of Canada, Limited
P.O. Box 1580, Station B
Mississauga, Ontario L4Y 4G3
1-800-387-9333

Please have the following information available when contacting the Lincoln Centre:

- ❑ your telephone number (both business and home)
- ❑ the name of the dealer and the city where the dealership is located
- ❑ the year and make of your vehicle
- ❑ the date purchased
- ❑ the current mileage on your vehicle
- ❑ your Vehicle Identification Number (VIN) listed on your vehicle ownership license

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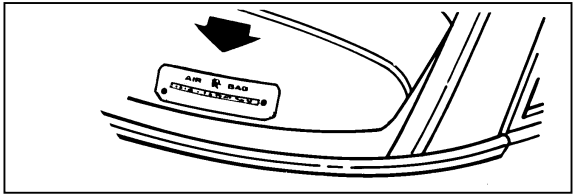

Vehicle Identification Number (VIN/Serial Number)

Mediation/Arbitration Program (Canada Only)

In those cases where you continue to feel that the efforts by Ford and the dealer to resolve a factory-related vehicle service concern have been unsatisfactory, Ford of Canada participates in an impartial third party mediation/arbitration program administered by the Canadian Motor Vehicle Arbitration Plan (CAMVAP).

The CAMVAP program is a straight-forward and relatively speedy alternative to resolve a disagreement when all other efforts to produce a settlement have failed. This procedure is without cost to you and is designed to eliminate the need for lengthy and expensive legal proceedings.

In the CAMVAP program, impartial third-party Arbitrators conduct hearings at mutually convenient times and places in an informal environment. These impartial Arbitrators review the positions of the parties, make decisions and, where appropriate, render awards to resolve disputes. CAMVAP decisions are fast, fair and final as the arbitrator's award is binding on both you and Ford of Canada.

CAMVAP services are available in all territories and provinces, except Quebec. For more information, without charge or obligation, call your CAMVAP Provincial Administrator directly at 1-800-207-0685.

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Getting Help Outside the U.S. and Canada

Before you export your vehicle to a foreign country, contact the appropriate foreign embassy or consulate to make sure local regulations do not prevent you from registering your vehicle. Officials at the embassy can also help you decide whether you should import your vehicle to that country.

Officials at the embassy or consulate can tell you where to get unleaded fuel. If you cannot get unleaded fuel or can get only fuel with an anti-knock index that is lower than your vehicle needs, contact a district or owner relations office before you leave the U.S. or Canada.

Use of leaded fuel in your vehicle without a proper conversion may damage the effectiveness of your emissions control system and may cause engine knocking or serious engine damage. Ford Motor Company is not responsible for any damage that is caused by use of improper fuel.

You may also have difficulty importing your vehicle back into the U.S. if you use leaded fuel.

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If your vehicle must be serviced while you are traveling or living in Central or South America, the Caribbean, or the Middle East, contact the nearest Ford dealership. If the dealership cannot help you, write to:

Ford Motor Company
Worldwide Export Operations
1555 Fairlane Business
Park #3
Allen Park, MI 48101
U.S.A.
Phone: 313-594-4857
Fax: 313-390-0804

If you are in other foreign countries, contact the nearest Ford dealership. If the dealership cannot help you, they can direct you to the appropriate Ford affiliate office.

If you buy your vehicle in North America and then relocate outside of the U.S. or Canada, register your Vehicle Identification Number and new address with Ford Motor Company Export Operations.

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Accessories

Ford Accessories for Your Vehicle

A wide selection of accessories is available through your local authorized dealer. These fine accessories have been engineered specifically to fulfill your automotive needs. They are custom designed to complement the style and aerodynamic appearance of your Ford-built vehicle. In addition, each accessory is made from high quality materials and meets or exceeds Ford's rigid engineering and safety specifications. That is why Ford brand accessories are warranted for up to 12 months or 12,000 miles (20,000 km), whichever comes first. See your dealer for complete warranty information and accessory availability.

Ford has many fine products available from your dealer to clean your vehicle and protect its finishes. For best results, use the following, or products of equivalent quality:

Ford Custom Clear Coat Polish
Ford Custom Silicone Gloss Polish
Ford Custom Vinyl Protectant
Ford Deluxe Leather and Vinyl Cleaner
Ford Extra Strength Spot and Stain Remover
Ford Extra Strength Tar and Road Oil Remover
Ford Extra Strength Upholstery Cleaner
Ford Extra Strength Whitewall Tire Cleaner
Ford Multi-Purpose Cleaner
Ford Premium Car Wash Concentrate
Ford Triple Clean
Ford Ultra-Clear Spray Glass Cleaner

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Safety

Styled wheel protector lock
Wheel splash guards (flat)
Vehicle security system

Comfort and convenience

Carpeted floor mats
Chemicals, waxes, polishes and cleaners
Engine block heater
Cargo net

NOTE: When adding accessories, equipment, passengers, and luggage to your vehicle, do not exceed the total weight capacity of the vehicle or of the front or rear axle (GVWR, GAWR as shown on the Safety Compliance Certification Label). Consult your dealer for specific weight information.

NOTE: The Federal Communications Commission (FCC) or the Canadian Radio Telecommunications Commission (CRTC) regulates the use of mobile communications systems — such as two-way radios, telephones, and theft alarms — that are equipped with radio transmitters. Any such equipment installed in your vehicle should comply with FCC or CRTC regulations and should be installed only by a qualified technician.

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NOTE: Mobile communications systems may harm the operation of your vehicle, particularly if they are not properly designed for automotive use or are not properly installed. For example, when operated, such systems may cause the engine to stumble or stall. In addition, such systems may themselves be damaged or their operation affected by operating your vehicle. (Citizens band [CB] transceivers, garage door openers, and other transmitters whose power output is 5 watts or less will not ordinarily affect your vehicle's operation.)

NOTE: Because we have no control over the installation, design, or manufacture of such systems, Ford cannot assume responsibility for any adverse effects or damage that may result if you use this equipment.

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FOR INFORMATION ON ORDERING SERVICE PUBLICATIONS, CONTACT:

U.S. RESIDENTS
CALL
HELM, INCORPORATED
1-800-782-4356

Monday - Friday 8:00 A.M. - 6:30 P.M. EST
For Credit Card Holder Orders Only

CANADIAN RESIDENTS
CALL
Ford Motor Company of Canada, Ltd.
1-800-387-4966

Monday - Friday 8:00 A.M. - 6:30 P.M. ESt
For Credit Card Holders Orders Only

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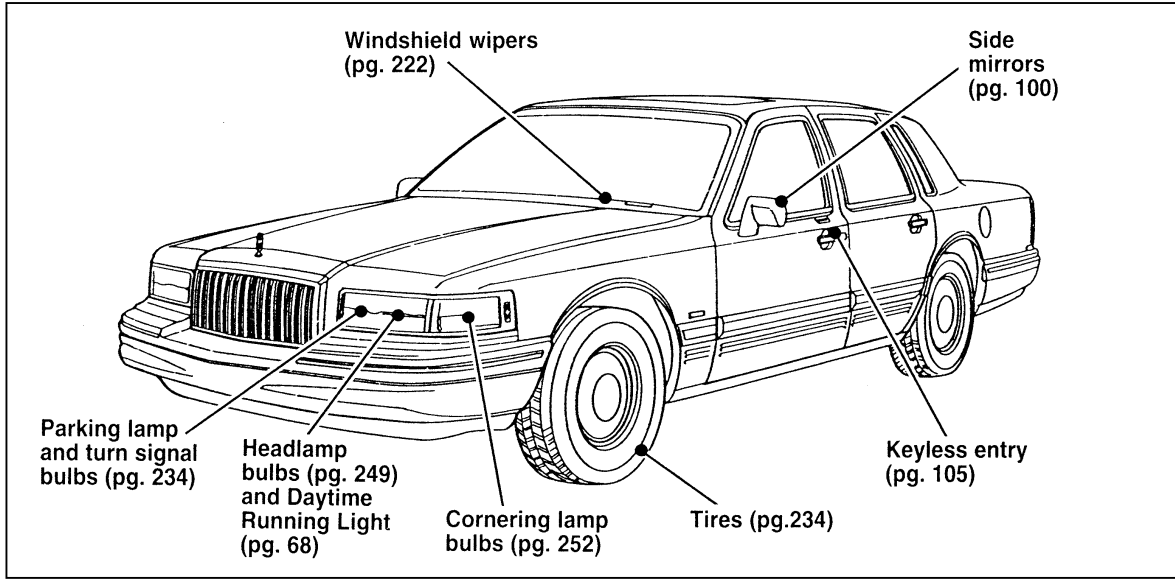

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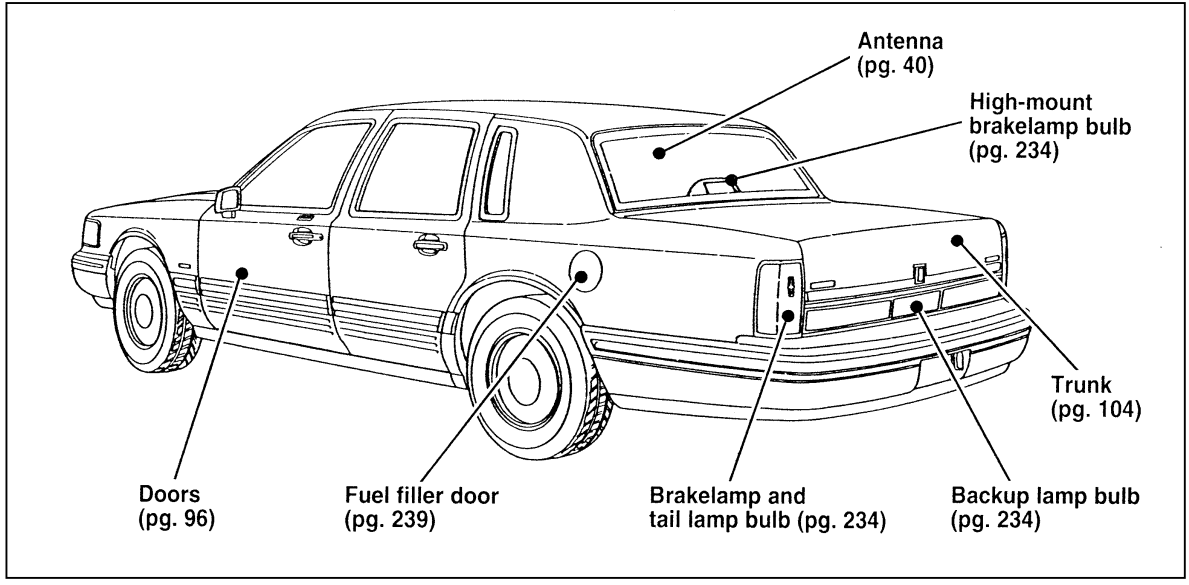

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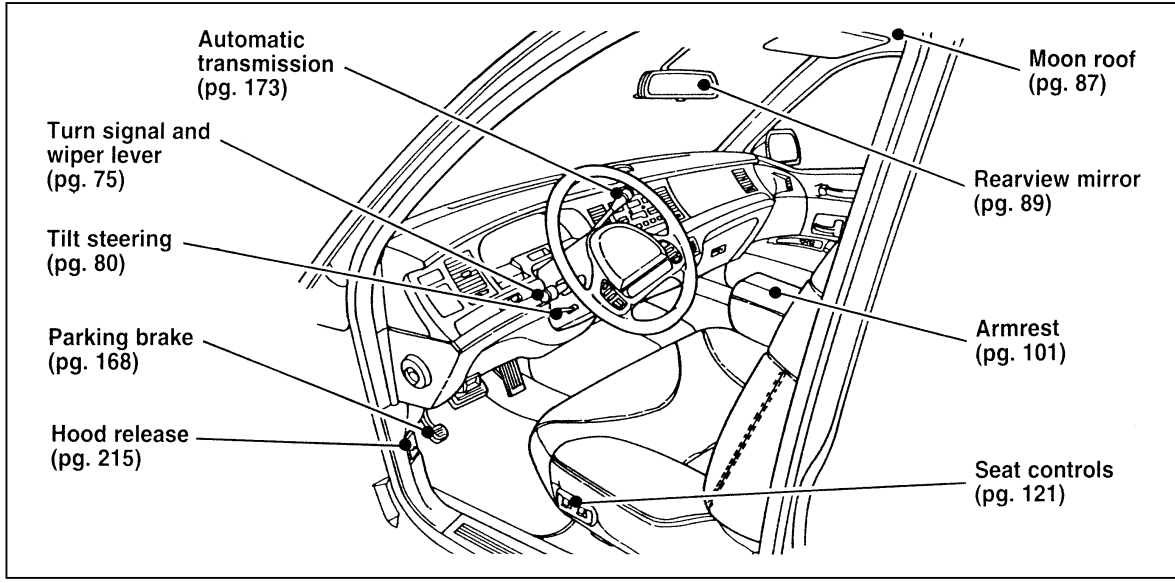

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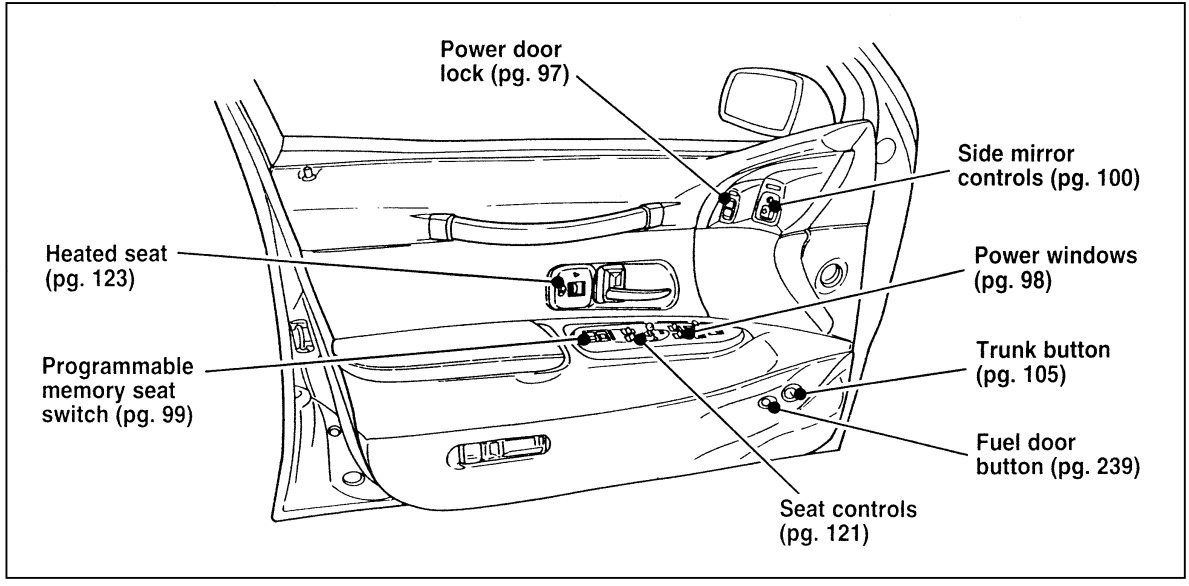

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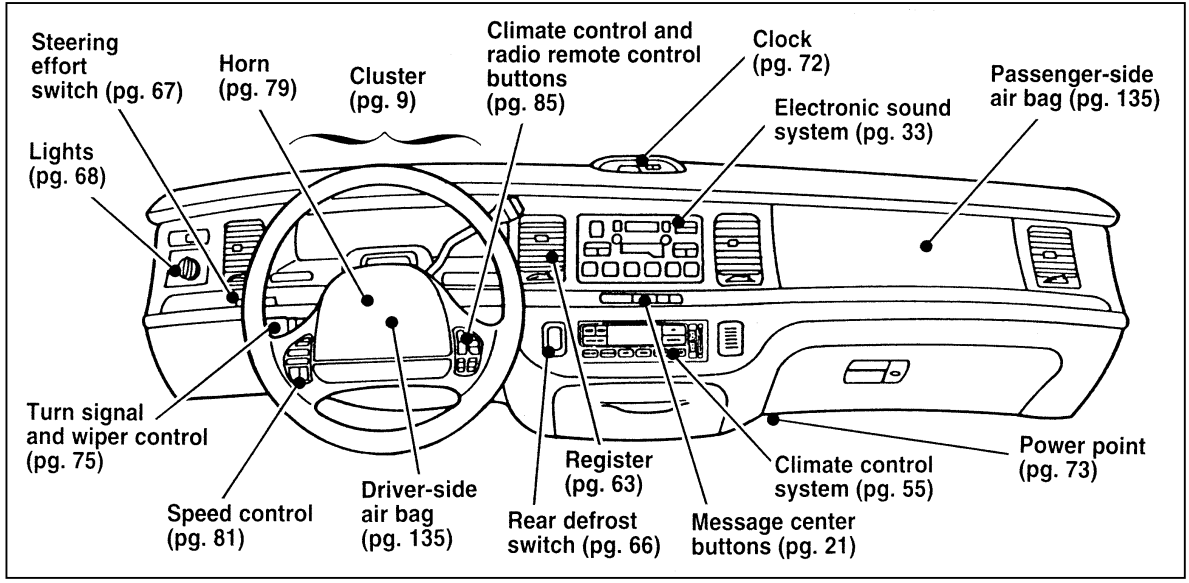

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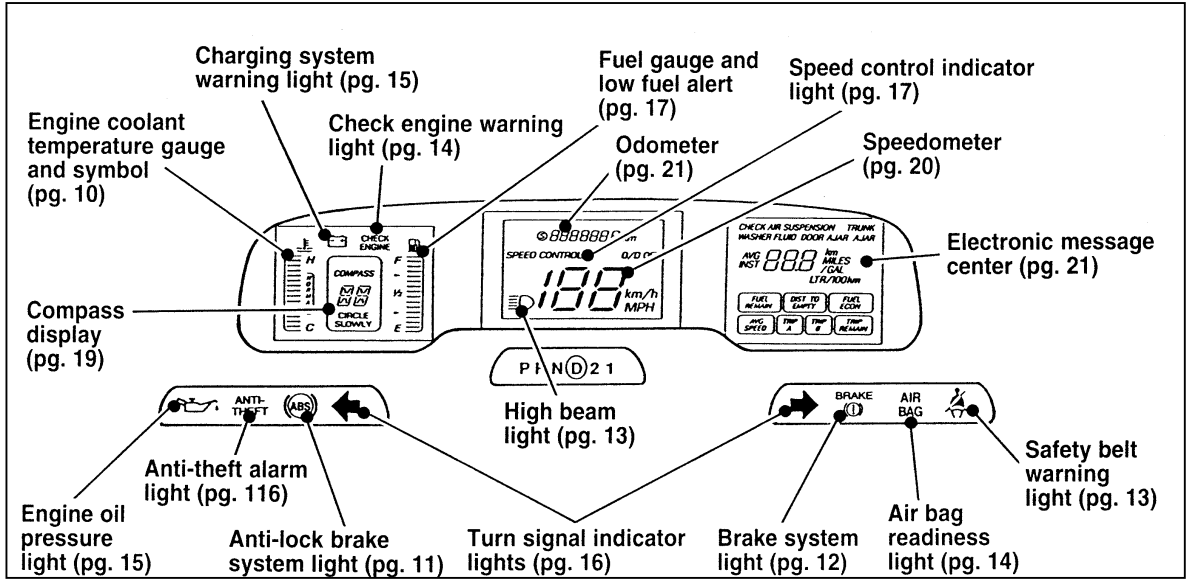

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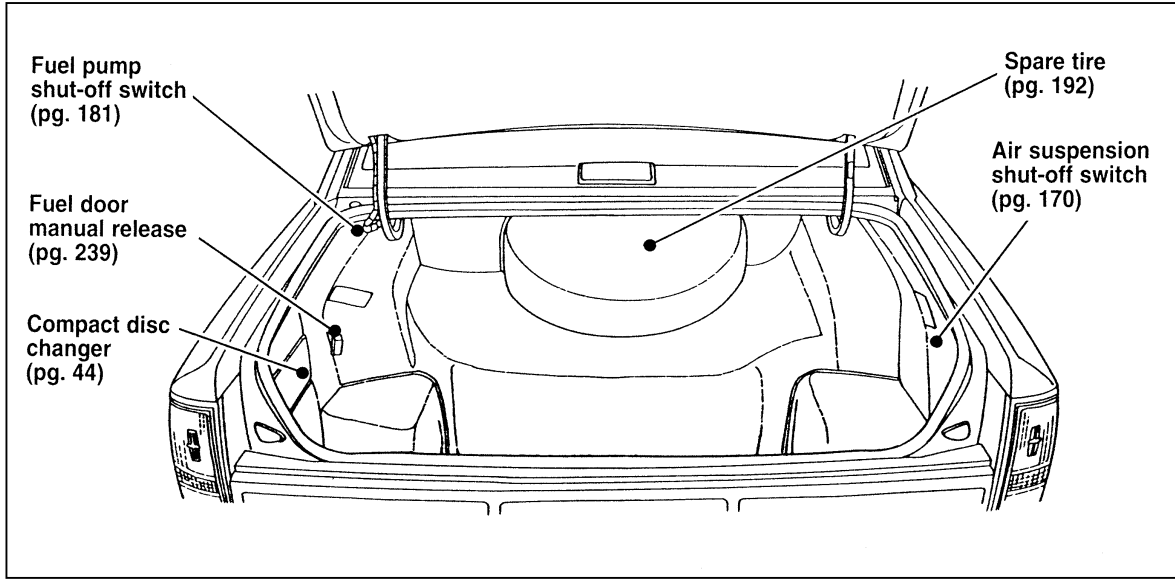

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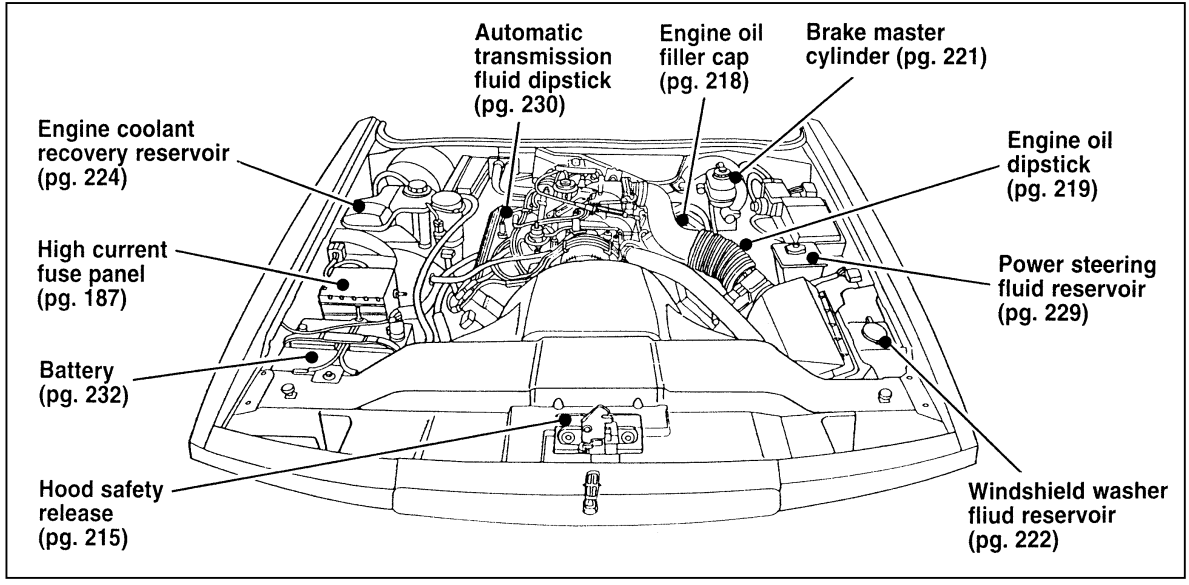

DEP DEALER E-PROCESS

Index

A

ABS warning light (see Anti-lock brake system) 11
Accessory position on the ignition 73
Accessory power source, power point outlet 73
Accident damage 212
Air bag supplemental restraint system 135
and child safety seats 137, 141
description 135
driver air bag 135
indicator light 14
operation 137
passenger air bag. 135
service and information labels 139
tone generator 139
Air cleaner filter
location 216
specifications 257
Air conditioning, electronic automatic temperature control system. 55
Air suspension, description. 170
Alarm, activating remote personal 112
Aluminum wheels 200
Antenna, radio (see Electronic sound system) 40
Antifreeze (see Engine coolant) 224
Anti-lock brake system (ABS)
description 167
see also Brake 167
warning light 11
Anti-theft lug nuts and key. 203

DEP DEALER E-PROCESS

Anti-theft system
arming the system 116
description 116
disarming an untriggered system 118
disarming a triggered system. 118
triggering 118
Appeals (see Dispute settlement board) . . 266
Ashtray(s) 73
Assistance (see Customer assistance) . . . 265
Audio system (see Electronic sound system) 33
Autolamp system (see Headlamps) 70
Automatic transmission
driving an automatic overdrive 173
fluid, adding. 231
fluid, checking. 230
fluid, refill capacities 258
fluid, specification 259
Axle
lubricant specifications 259
refill capacities. 258

B

Basic vehicle warranty. 3
Battery 232
battery saver. 115
charging system warning light 15
disconnecting 232
how to service. 232
jumping a disabled battery. 204
maintenance-free 232
proper disposal, recycling 232
replacement, specifications. 257
servicing 232
when storing your vehicle. 261

DEP DEALER E-PROCESS

Brake fluid
brake warning light. 12
checking and adding 221
description 221
specifications 259
Brakes 167
adjustment 167
anti-lock 167
applying the brakes. 167
brake warning light. 11
fluid, checking and adding. 221
fluid, refill capacities 221, 258
fluid, specifications 259
master cylinder 221
new brake linings 5
noise 167
parking 168
servicing 167
when storing your vehicle 262
Break-in period 5
Brights (high beams) 13
Bulbs, replacing 248
halogen 249
headlamps. 249

C

Canada, customer assistance 270
Canada, warranty information 3
Canadian Motor Vehicle Arbitration Plan (CAMVAP). 271
Capacities for refilling fluids 258
Carbon monoxide in exhaust 165
Car seats for children (see Child safety seats) 141
Cassette tape player (see Electronic sound system) 40
Catalytic converter 246
Changing a tire. 192

DEP
DEALER E-PROCESS

Charging system warning light 15
Childproof locks 96
Child safety restraints 140
child safety belts 158
child safety seats 141
Child safety seats
and air bags 141
attaching with tether straps 158
automatic locking mode
(retractor) 130, 141, 143
in front seat 141, 143
in rear outboard seat 141, 151
in rear seat 141
tether anchorage hardware 158
Chime
headlamps on 32
key in ignition 75
safety belt 13
Circuit breakers, checking and replacing . . 191
Cleaning your vehicle
chrome and aluminum parts 253
exterior 253
exterior lamps 254
fabric 255
headlamps 254
instrument panel 254
interior 255
interior lamps 254
mirrors 90
plastic parts 254
polishing 253
rustproofing 254
safety belts 254
tail lamps 254
upholstery and interior trim 255
washing 253
waxing 253
wheels 255

DEP
DEALER E-PROCESS

Climate control system
air conditioning 55
electronic automatic temperature control 55
heating 55
Clock 72
Cold engine starting 162
Combination lap and shoulder belts 126
Compact disc radio (see Electronic sound system) 35
Controls, mirrors 89
Coolant (see Engine coolant)
checking and adding 224
preparing for storage 261
refill capacities. 258
specifications 259
temperature gauge 10
Cooling fan 214
Cupholder(s) 73
Customer Assistance Centre, Ford of Canada 270

D

Daytime running light system 68
Defects, reporting. 263
Defrost, windshield 63
Dipstick 219
automatic transmission fluid 230
engine oil 219
power steering fluid 229
Disabled vehicle (see Towing) 209
Dispute Settlement Board 266
Doors 96
door ajar warning message. 31
lubricant specifications 259

DEP
DEALER E-PROCESS

Driving under special conditions
heavy load 177
towing a trailer 179

E

Electrical system
circuit breakers 191
fuses 190
power point outlet 73
Electronic sound system
antenna. 40
tuning the radio 36
warranty and service information 53
Electronic stereo cassette radio
(see Electronic sound system) 35
Electronic stereo radio (see Electronic
sound system) 35
Emergencies, roadside
fuel 243
jump-starting 204
towing 209
Emergency brake (parking brake) 168
Emission control system 246
catalytic converter 246
emissions warranty 3, 246
Engine
check engine warning light 14
does not start 163, 181
fuel injected engine, starting 161
fuel pump shut-off switch 181
preparing to start. 161
refill capacities 258
service points 216
starting 162
starting after a collision 181
storing your vehicle 260
Engine block heater 164

DEP
DEALER E-PROCESS

Engine coolant
checking and adding 224
disposal 212
preparing for storage 261
proper solution 212
recovery reservoir 216
refill capacities 258
specifications 259
temperature gauge 10
Engine coolant temperature gauge
description 10
Engine fan 214
Engine knocking 241
Engine oil
"break-in" oils 5
changing oil and oil filter 220
checking and adding 219
dipstick 219
disposal 212
engine oil pressure warning light 15
filter, specifications 257
refill capacities 258
specifications 218, 259
synthetic oil 218
viscosity 218
Exhaust fumes 165

F

Fan
engine fan, avoiding injury 214
Flashers, hazard 78
Flashing the lights 76
Flat tire 192
Fluid refill capacities 258
Ford Dispute Settlement Board 266
Ford Motor Company of Canada 270
Ford of Canada Customer
Assistance Centre 270
Foreign registration 272
French owner guides, how to obtain 3

DEP
DEALER E-PROCESS

Fuel
calculating fuel economy 244
capacity 258
choosing the right fuel 240
comparisons with EPA fuel economy estimates 244
filling your vehicle with fuel 239
filter, specifications 257
fuel filler door release lever 239
fuel gauge 17
octane rating 241
quality 241
running out of fuel 243
safety information relating to automotive fuels 242
storing your vehicle 261
treating emergencies 242
Fuel cap
removing 239
replacing 239
Fuel filler door
remote release 239
Fuel filter, specifications 257
Fuel gauge 17
Fuel pump shut-off switch
engine does not start 181
starting after a collision 181
Fuse panels
engine compartment 187
instrument panel 190
Fuses
charts 185, 190
checking and replacing 190
circuit breakers 191

G

Gas cap (see Fuel cap) 239
Gas mileage (see Fuel economy) 244
Gasoline (see Fuel) 239
Gauges, Electronic
charging system gauge 15
engine coolant temperature gauge . . . 10
fuel gauge 17

DEP
DEALER E-PROCESS

odometer 21
speedometer 20
GAWR (Gross Axle Weight Rating)
calculating 178
definition 177
driving with a heavy load 177
location 177
Gearshift
automatic operation 173
column-mounted 173
locking the gearshift 73
positions 173
shifting the gears 173
GVWR (Gross Vehicle Weight Rating)
calculating 178
definition 177
driving with a heavy load 177
location 177

H

Hazard flashers 78
Headlamps
aiming 248
autolamp system 70
cleaning 254
daytime running lights 68
flashing 76
high beam 76
replacing bulbs 248
turning on and off 69
warning chime 32
Head restraints 119
Heated mirrors 101
Heating
electronic automatic temperature control system 55
High beams
indicator light 13

DEP
DEALER E-PROCESS

High beams (continued)
operation 76
Hood 215
latch location 215
lubrication specifications 259
release lever 215
working under the hood 213
Horn 79

I

Idle, relearning 208, 213
Ignition
chime 75
positions of the ignition 73
removing the key 75
Infant seats (see Safety seats) 141
Instrument cluster, electronic 9
Instrument panel 7
Interval wipers 77

J

Jack 193
operation 196
positioning 196
storage 193
Jump-starting your vehicle
attaching cables 206
disconnecting cables 208

K

Keyless entry system
locking and unlocking doors 107
programming entry code 109
Keys
key in ignition chime 75
positions of the ignition 73
removing from the ignition 75
stuck in lock position 75

DEP
DEALER E-PROCESS

L

Lamps
- autolamp delay system 70
- checking 248
- daytime running light system 68
- flashing the lamps 76
- hazard flashers 78
- headlamps 69
- high beams 76
- interior lamps 71
- replacing bulbs 248

Lane change indicator (see Turn signal) . . 75
Lap belts 134
Lights, warning and indicator
- air bag 14
- brake 12
- charging system 15
- check engine 14
- door ajar 32
- engine oil pressure 15
- hazard warning light 78
- high beam 13
- low washer fluid 31
- oil pressure 15
- overdrive off 31
- safety belt 13
- trunk ajar 32
- turn signal indicator 17

Load limits
- GAWR 177
- GVWR 177
- trailer towing 179

Lubricant specifications 259
Luggage compartment 104
Lug nuts
- anti-theft 203
- standard 196
- tightening sequence 194

DEP DEALER E-PROCESS

M

Maintenance schedule and record (see separate Maintenance Schedule and Record booklet) 3
Maintenance (see Servicing) 211
Master cylinder, brakes 221
Memory seat (programmable memory seat) 99
Message center
door ajar 31
low washer fluid 31
trunk ajar 32
Mileage, calculating fuel economy 244
Mirrors
automatic dimming rearview mirror . . . 89
heated 101
rearview 89
side view mirrors 100
Moon roof 87
Motorcraft parts 257

N

National Highway Traffic Safety Administration 263
New vehicle break-in 5

O

Octane rating 241
Odometer
description 21
Oil filter 220, 257
Oil (see Engine oil) 218
Oil viscosity 218
On-board diagnostic (OBD II) system . . . 248
Overseas offices 272

P

Panic alarm feature, remote entry system . 112
Parking brake
operation 168
warning light 12
Parts (see Motorcraft Parts) 257

DEP DEALER E-PROCESS

PCV valve, specifications 257
Phone, cellular 101
Power features
mirrors 89
moon roof. 87
seats 121
windows 98
Power point electrical outlet 73
Power steering
dipstick 229
driving with power steering 173
fluid, checking and adding. 229
fluid, refill capacity 258
fluid, specifications 259
servicing 173
Programmable memory seat 99

R

Radio (see Electronic sound systems) . . . 33
Rear axle
lubricant specification 259
refill capacity 258
Rearview mirror 89
Refill capacities for fluids 258
Regulations, National Highway Traffic Safety Administration 263
Remote entry system
arming and disarming the anti-theft system 112
locking/unlocking doors 111
opening the trunk 111
panic alarm 112
replacement/additional transmitters . . . 114
replacing the batteries 114
Reporting safety defects 263

DEP
DEALER E-PROCESS

Restraints, safety (see Safety restraints)
adult 124
child 140
head 119
infant 140
Reverse 175
Roadside emergencies 181
Rotating the tires 234

S

Safety belts (see Safety restraints) 124
Safety Compliance Certification Label . . . 177
Safety defects, reporting 263
Safety information relating to automotive fuels 242
Safety restraints
adjusting the safety belts . . 126, 128, 130, 131, 134
automatic locking mode 130
automatic locking mode (retractor) . . . 130
center front lap belt 134
center rear lap belt 134
cleaning the safety belts 254
extension assembly 134
for adults 124
for children 140
for infants 140
for pregnant women 124
head 119
lap and shoulder belts 126
lap belt 134
maintenance 135
proper use 124
replacement 135
warning light and chime 13
Safety seats for children
and air bags 131, 141
attaching with tether straps 158
automatic locking mode (retractor) 130, 141, 143
in front seat 141, 143

DEP DEALER E-PROCESS

in rear outboard 141, 151
in rear seat 141
tether anchorage hardware 158
Seat belts (see Safety restraints) 124
Seats
adjusting the seats, power 121
child safety seats 141
cleaning upholstery 255
head restraints 119
programmable memory seat 99
Service concerns 265
Servicing your vehicle 211
precautions when servicing 213
Shift positions (see Gearshift) 173
Shoulder and lap belts
(see Safety restraints) 126
Shoulder belts
(see Safety restraints) 126
Side mirrors
adjusting 100
heated 101
Sliding moon roof (see Moon roof) 87
Spare tire
changing the tire 192
conventional spare 193
finding the spare 193
removing the spare tire 193
storing the flat tire 193
temporary spare 192
Spark plugs, specifications 257
Specification chart, lubricants 259
Speed control, turning off 83
Speedometer 20
Starting your vehicle
preparing to start your vehicle 161
starting a cold engine 162
starting after a collision 181
starting a warm engine 163
starting your vehicle if the battery
is disabled 204

DEP
DEALER E-PROCESS

Steering, power 173
Steering wheel
horn 79
locking 73
tilting 80
Storing your vehicle. 260
Sunroof (moon roof) 87
Sun visor 90
Supplemental air bag readiness light. . . . 14
Supplemental Restraint System (SRS) . . . 135

T

Tail lamps
bulb replacement. 248
cleaning 254
Temperature control (see Climate control) . 55
Tether anchor installation
(see Child restraints) 158
Tilt steering wheel 80
Tires 234
changing 192
checking the pressure. 234
cleaning. 255
inspection and maintenance 234
replacing 235
rotating 234
spare tire 193
storing your vehicle 262
tire grades 235
treadwear 237
wear bands 235
Towing a trailer (see Trailer towing) . . . 179
Towing your vehicle
using wheel dollies 209
with a tow truck 209
Traction assist 170

DEP
DEALER E-PROCESS

Transmission
automatic operation 173
fluid, checking and adding (automatic) . 230
fluid, refill capacities 258
lubricant specifications 259
Transmission control switch 175
Trunk
trunk ajar warning light 32
using the keys to open 104
using the remote entry system to open . 111
Tune-up specifications (VECI) 246
Turn signal 75
indicator lights 17
lever 75

U

Used engine oil, disposal 212

V

Variable interval wipers 77
VECI (Vehicle Emission Control Information)
decal 246
Vehicle loading
automatic transmissions 178
calculating the load 178
understanding loading information . . . 177
Vehicle storage 260
Ventilating your vehicle
(see Climate control) 55
Viscosity (see Engine oil) 218
Visor (see Sun visor) 90

DEP
DEALER E-PROCESS

W

Warm engine, starting. 163
Warning chimes
  headlamps on 32
  key in ignition 75
  safety belt 13
Warranties. 3
  basic 3
  Canada 3
  radio 53
Warranty Information Booklet 3
Washer fluid 77
  reservoir 222
  warning light 31
  windshield 222
Weight limits (GAWR, GVWR) 177
Wheel dollies (see Towing) 209
Wheels
  anti-theft lugnuts 203
  cleaning. 255
  covers 194, 200
  inspection and maintenance 234
  lug nuts. 194
Windows
  one-touch down 98
  power windows, operating. 98
Windshield, washing 77

DEP DEALER E-PROCESS

Windshield washer fluid and wipers
checking and adding fluid 222
checking and replacing wiper blades . . 233
low washer fluid light 31
operation 77
reservoir 222
variable interval wipers 77
Windshield wipers and washer 77
Wrecker towing 209

DEP
DEALER E-PROCESS

Service Station Information

Engine	4.6 Liter SFI (Sequential Fuel Injection) 8 Cylinder.
Fuel	UNLEADED FUEL ONLY — Octane 87 or higher.
Fuel Tank Capacity	20.0 gallons (75.7 Liters).
Tire Size	Refer to the Tire Pressure Decal.
Tire Pressure	Front – 32 PSI, Rear – 35 PSI (measured cold) — Tire pressure decal on the front face of the passenger's door jamb.
Hood Release	Pull handle under left side of dash.
Engine Oil	Use only engine oil displaying the American Petroleum Institute Certification Mark – SAE 5W-30 .
Engine Oil Capacity	5 quarts (4.7 Liters) with filter change.
Automatic Transmission	Motorcraft MERCON® (ATF).
Transmission Capacity	13.9 quarts (13.1 Liters) .
Power Steering Fluid	Motorcraft MERCON® ATF.
Engine Coolant Capacity	14.1 quarts (13.4 Liters) .

DEP DEALER E-PROCESS